1982 - 1983 BIENNIAL REPORT

VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY

1982 - 1983 BIENNIAL REPORT

CALENDAR YEAR ENDING DECEMBER 31, 1983

DEPARTMENT OF LABOR AND INDUSTRY

Azie Taylor Morton 5/82 -10/83
Eva S. Teig 11/83 - . . . . . Commissioner

Clayton P. Deane . . . . . Assistant Commissioner

Divisions of the Department

Division of Apprenticeship Training
Robert S. Baumgardner, Director

Division of Boiler and Pressure Vessel Safety
William E. Long, Jr., Chief

Virginia Occupational Safety and Health Program
Janice L. Thomas, Chief Administrator
Division of Construction Safety
Division of Industrial Safety
Elliott A. Scruggs, Director
Division of Voluntary Safety Compliance and Training
Michael Rodgers, Director

Division of Mines and Quarries
Harry D. Childress, Chief

Division of Research and Statistics
Texa B. Thurston, Director

Division of State Labor Law Administration
William K. Turpin, Director

COMMONWEALTH of VIRGINIA

Department of Labor and Industry
205 North Fourth Street
P. O. Box 12064
Richmond, Virginia 23241
(804) 786-2376

Honorable Charles S. Robb
Governor of Virginia
Richmond, Virginia

June 30, 1984

Dear Governor Robb:

It is a pleasure for me to present to you the first biennial report of Virginia's Department of Labor and Industry for the calendar years 1982 and 1983.

As a review of this report will indicate, we have experienced substantial progress in most of those areas over which this Department has jurisdiction, and we have also been seeing positive signs that this trend will continue. Perhaps most significant was the continuing reduction in workplace accidents and injuries: for the third consecutive year, Virginia's private sector workforce experienced a decline in both the number and the incidence of OSHA recordable occupational injuries and illnesses. In addition, during the biennium Virginia's accident incidence rate remained well below the national average.

Apprenticeship enrollment, which tends to fluctuate with the state of the economy, nonetheless remained high: 1983 marked the 13th consecutive year that 1,000 or more apprentices were graduated. At the end of 1983 almost 7,000 young Virginians were working as registered apprentices, of whom roughly 13% were female and 16% were minorities.

Our Division of State Labor Law Administration continued to register solid success in the collection of unpaid wages: on the average, more than $1,700 a day was collected in earned wages owed to Virginia workers.

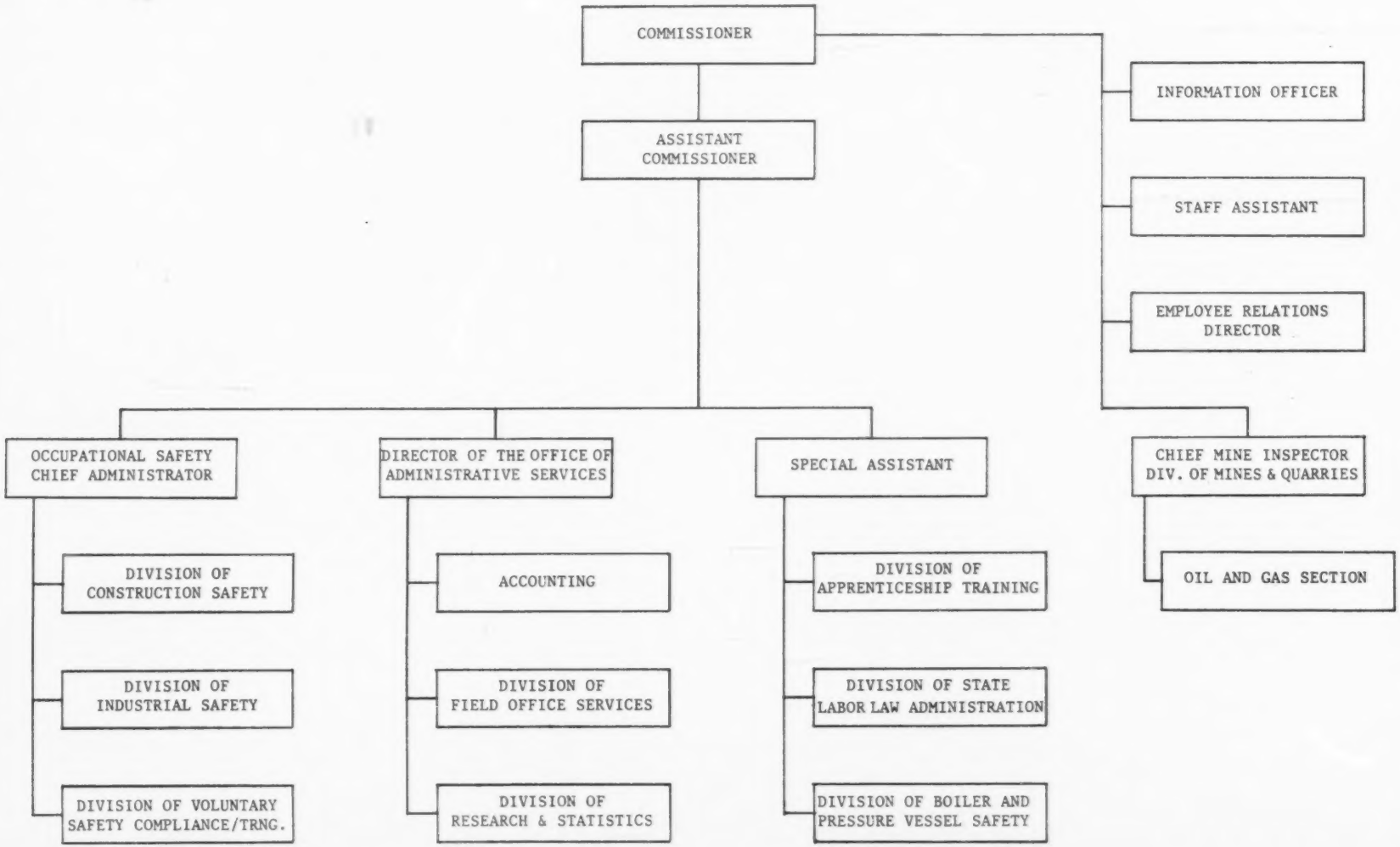
As this report indicates, the Department of Labor and Industry has also maintained a high level of service in other areas that affect the state of the Commonwealth. We are proud of the continuing public service this Department has provided in the past, and we remain committed to the preservation of the health, safety, and productivity of Virginia's citizens.

Sincerely,

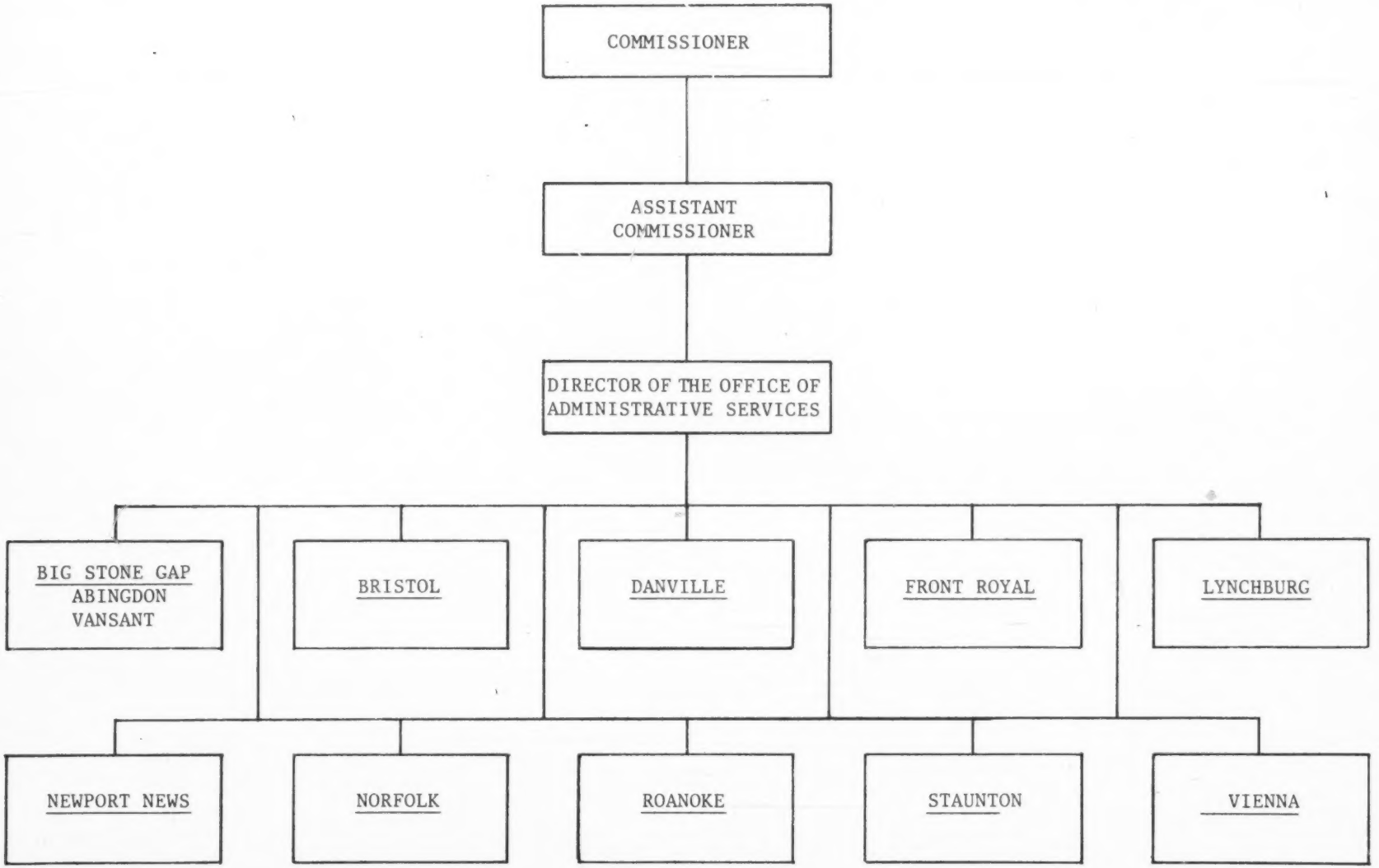
Eva S. Teig

Eva S. Teig
Commissioner

ORGANIZATION CHART
VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY


COMMISSIONER
ASSISTANT COMMISSIONER
INFORMATION OFFICER
STAFF ASSISTANT
EMPLOYEE RELATIONS DIRECTOR
OCCUPATIONAL SAFETY CHIEF ADMINISTRATOR
DIRECTOR OF THE OFFICE OF ADMINISTRATIVE SERVICES
SPECIAL ASSISTANT
CHIEF MINE INSPECTOR DIV. OF MINES & QUARRIES
DIVISION OF CONSTRUCTION SAFETY
DIVISION OF INDUSTRIAL SAFETY
DIVISION OF VOLUNTARY SAFETY COMPLIANCE/TRNG.
ACCOUNTING
DIVISION OF FIELD OFFICE SERVICES
DIVISION OF RESEARCH & STATISTICS
DIVISION OF APPRENTICESHIP TRAINING
DIVISION OF STATE LABOR LAW ADMINISTRATION
DIVISION OF BOILER AND PRESSURE VESSEL SAFETY
OIL AND GAS SECTION

ORGANIZATION CHART - FIELD OFFICE SERVICES



Note: Each office has clerical and field personnel.
All offices will be responsible for taking and referring business calls to any representative not assigned to the office but working the area.

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ORGANIZATION AND FUNCTIONS OF THE DEPARTMENT

The Department of Labor and Industry, originally known as the Bureau of Labor and Industrial Statistics, was created by Act of the Legislature in 1898. With the enactment of the Reorganization Act of 1927, it was given the status of a regular administrative agency of the State Government and its name changed to the Department of Labor and Industry. (Section 40-1, Code of Virginia, 1950, as amended, 1958, 1962, 1964, 1966, and 1970).

By the Act creating the Department of Labor and Industry, the Commissioner of Labor and Industry and his assistants are specifically charged with the following general duties:

1. To compile and publish statistics concerning labor and industry in the State and to report in writing to the Governor annually concerning the work of the Department with such other information and with such recommendations as the Commissioner may deem proper.

2. To visit and inspect all business establishments, excavations, demolitions and construction sites, as defined in Title 40.1 and 45.1 of the Code of Virginia, where goods, wares and merchandise are manufactured, purchased and sold, at wholesale or retail, and to secure the enforcement of all laws, rules and regulations relating to the inspection of aforementioned establishments and to prosecute all violations thereof.

3. The Commissioner shall have power to take and preserve testimony, examine witnesses, administer oaths and, under proper restriction, enter any public institution of the State, any business establishment, mine or quarry, as defined in Title 40.1 and 45.1 of the Code of Virginia and interrogate any person employed therein or connected therewith or the proper officer of a corporation, or file a written or printed list of interrogatories and require full and complete answers to the same to be returned under oath within thirty (30) days of the receipt of such list of questions.

4. The Commissioner is responsible for the formulation of policies and the general supervision of all activities of the Department. He shall have the authority to appoint such assistants as may be necessary to carry out the objects and purposes of this Department. This office, through the press, radio, conferences and other means of dissemination of information, keeps employers, workers, and the public informed of the labor laws, the general activities of the Department, and the need for legislation for improving conditions of work in industry. The Commissioner is also an ex-officio member of the Virginia Apprenticeship Council and the Safety and Health Codes Commission.

5. The Commissioner is charged by statute with the duty of mediating and conciliating labor disputes affecting certain public utilities. The Commissioner also, personally, and through the Department's personnel, attempts to maintain satisfactory and peaceful relations between employers and employees; and while he is not charged with the responsibility by statue to mediate disputes, other than those affecting certain public utilities, the services of his office have been rendered to many employers and employees, who have requested the services of the Department to assist them in reaching a mutual agreement of their differences in a labor dispute.

6. The 1962 General Assembly of Virginia provided for the establishment of a Safety Codes Commission to be appointed by the Governor which was composed of five members. The 1970 General Assembly of Virginia increased the size of the Safety Codes Commission by two additional members to be appointed by the Governor. In 1972, legislation enacted by the General Assembly of Virginia changed the name from Safety Codes Commission to Safety and Health Codes Commission and provided for the Commissioner of Health to be an ex-officio member. The Commission shall study and investigate all phases of safety in business establishments applicable to Title 40.1 and Title 45.1 of the Code of Virginia.

7. The 1970 General Assembly of Virginia recodified Title 40 to Title 40.1 and Title 45 to Title 45.1.

VIRGINIA PUBLIC UTILITY LABOR RELATIONS ACT

The Virginia Public Utility Labor Relations Act, as amended by the General Assembly, effective April 7, 1952, designates the Department of Labor and Industry as the State agency established to mediate and conciliate labor disputes. It requires notices of disputes between certain public utilities and their employees and imposes upon the Commissioner of Labor and Industry, or his designated agent, certain duties in connection therewith relating to labor disputes affecting the operation of certain public utilities.

The Act provides that the utility or the collective bargaining agent, recognized by the utility and its employees, shall not terminate or modify such contract until the party desiring such termination or modification serves written notice upon the Department of Labor and Industry of the proposed termination or modification at least thirty (30) days prior to the expiration date thereof or in the event such contract contains no expiration date, at least thirty (30) days prior to the date it is proposed to make such termination or modification. Where there is no collective bargaining contract in effect, the same procedure shall be followed by the utility and its employees or designated representatives or any labor organization or association attempting to organize employees in work affecting the utility.

Upon receipt of any such notices, the Commissioner of Labor and Industry is charged with the responsibility of notifying the Governor and informing him of the nature of the dispute. If the Governor deems it necessary, the Commissioner, or his designated agent, shall offer to meet and confer with the parties in interest and undertake to mediate and conciliate their differences to the extent of the mediation and conciliation by State agencies contemplated by the National Labor Relations Act or similar Federal legislation. In the event Federal legislation does not apply and if the Governor deems it advisable, it shall be the duty of the utility and its employees, or designated representative, to meet and confer with the Commissioner, or his agent, at a time and place designated by the Commissioner for mediating and conciliating their differences.

The Commissioner shall keep the Governor fully informed of negotiations between the utility and its employees and shall report as soon as practical if a strike or lockout appears to be probable in any such dispute, or if a strike or lockout begins, whether the continuation thereof is probable.

The Commissioner of Labor and Industry, or his agent, shall have the right of entry upon the property of a utility.

After all means of mediation and conciliation have been exercised under this Act and a stoppage of work is certain, the Governor, under the new Seizure Act, may, if he deems it necessary, seize and operate a public utility.

Mediation and conciliation service under the Public Utility Labor Relations Act continues even though it becomes necessary for State seizure under the Public Utility Seizure Act.

The Commissioner of Labor and Industry was not required to attend any conferences in 1982 or 1983 under the amended Virginia Public Utility Labor Relations Act. Seventeen (17) notices of negotiations were received during the year, seven (7) of which were Electric Power Utilities, six (6) were telephone and telegraph utilities, and four (4) were Gas Distribution utilities. All seventeen (17) were settled.

DIVISION OF

BOILER AND PRESSURE VESSEL SAFETY

The Division of Boiler and Pressure Vessel Safety is charged with enforcing the provisions of The Boiler and Pressure Vessel Safety Act as set forth in Chapter 3.1 of Title 40.1 of the Virginia Code. The Division's primary objective is to protect life and property through regular inspections of boiler and pressure vessel equipment to ensure compliance with state law governing its construction, installation, operation, maintenance, and repair. Frequency and types of inspections are specified by law, and records are kept on the number of certificates issued, the number of violations noted, the occurrence and nature of accidents, and other specified activities of the Division. The following table summarizes the chief activities of the Division for the last biennium:

BOILER & PRESSURE VESSEL SAFETY DIVISION

1982 and 1983

ITEM	1982	1983
Total Objects Registered	52,726	55,789
Certificates Issued	19,665	24,033
Violations Reported	*475	*467
Compliances	*356	*341
Quality Control Reviews	5	12
Nuclear Surveys	5	1
Special Inspections	4	2
Occurrences	6	4
Injuries	1	1
Fatalities	0	0
Inspectors Examinations	4	4
Applicants Taking Exam	19	12
Applicants Passing Exam	8	6
Commissioned Inspectors (Total Active)	254	259

*Statistical Variation Due to Carry Over From Previous Year(s)

DIVISION OF

STATE LABOR LAW ADMINISTRATION

The Division of State Labor Law Administration is charged with the enforcement of those Virginia laws governing the following subjects: the minimum wage, the payment of wages, garnishee rights, child labor, the right to work, wage discrimination based upon sex or physical handicap, magazine subscription solicitation, employment of aliens, and certain other provisions of state law governing polygraph tests, medical examinations, employees being prevented employment by others, and employees' days of rest.

The Division conducts both general inspections of business establishments and complaint investigations with the primary objective of ensuring compliance with current state law in the above areas and redressing grievances. The following charts reflect the Division's record of activity for the previous biennium:

COURT CASES PROCESSED BY CLASSIFICATION

(Civil and Criminal)

1982 and 1983

Classification	1982	1983
GRAND TOTAL	147	177
Civil	126	149
Criminal	21	28
Payment of Wages and Establishment of Regular Pay Periods	141	177
Civil	126	149
Criminal	15	28
Child Labor Laws of Virginia	3	0
Criminal	3	0
Employment of Illegal Aliens	3	0
Criminal	3	0

COURT DISPOSITION ON VIOLATIONS PROCESSED

(Civil and Criminal)

1982 and 1983

Title and Section Code of Virginia		Number of Warrants Issued		Convictions		Dismissals		Nol-Pros		Judgment Awarded	
		1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
	TOTAL	147	177	0	0	0	0	0	0	0	0
	Civil	126	149	0	0	0	0	0	0	0	0
	Criminal	21	28								
40.1-29	Payment of Wages and Establishment of Regular Pay Periods	141	177	0	0	0	0	0	0	0	0
	Civil	126	149	0	0	12	26	0	13	114	110
	Criminal	15	28	6	10	5	1	4	17	0	0
40.1-78 et seq.	Child Labor Laws of Virginia	3	0	0	0	0	0	0	0	0	0
	Criminal	3	0	0	0	2	0	1	0	0	0
40.1-11.1	Employment of Illegal Aliens	3	0	0	0	0	0	0	0	0	0
	Criminal	3	0	0	0	3	0	0	0	0	0

COMPLAINT INVESTIGATIONS BY CLASSIFICATION

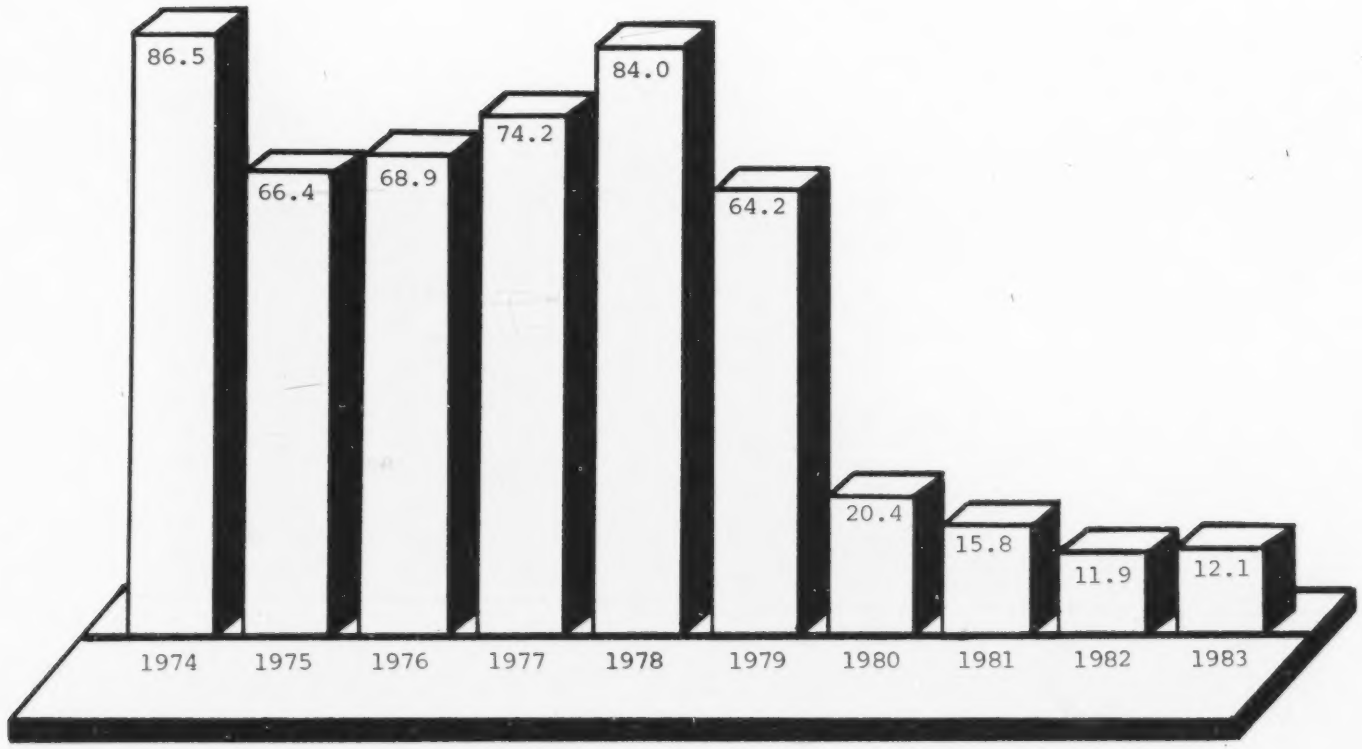
1982 and 1983

Classification	1982	1983
GRAND TOTAL	2,503	2,614
Payment of Wages and Establishment of Regular Pay Periods	2,129	2,344
Virginia Minimum Wage Act	89	63
Child Labor Laws of Virginia	81	64
Employment of Illegal Aliens	168	117
Right-to-Work Law	7	5
Preventing Employment by Others of Former Employees	11	7
Unlawful to Require Payment for Medical Examination as Condition of Employment	1	1
Employers to Allow Employees at Least One Day of Rest in Each Week	2	2
Equal Pay Irrespective of Sex	1	0
Discrimination Because of Physical Handicaps Prohibited	7	0
Soliciting Subscription Contracts for Books, Magazines, Etc.	3	3
Maximum Portion of Disposable Earnings Subject to Garnishment	4	8
Prohibition of Use of Certain Questions on Polygraph Tests for Employment	0	0

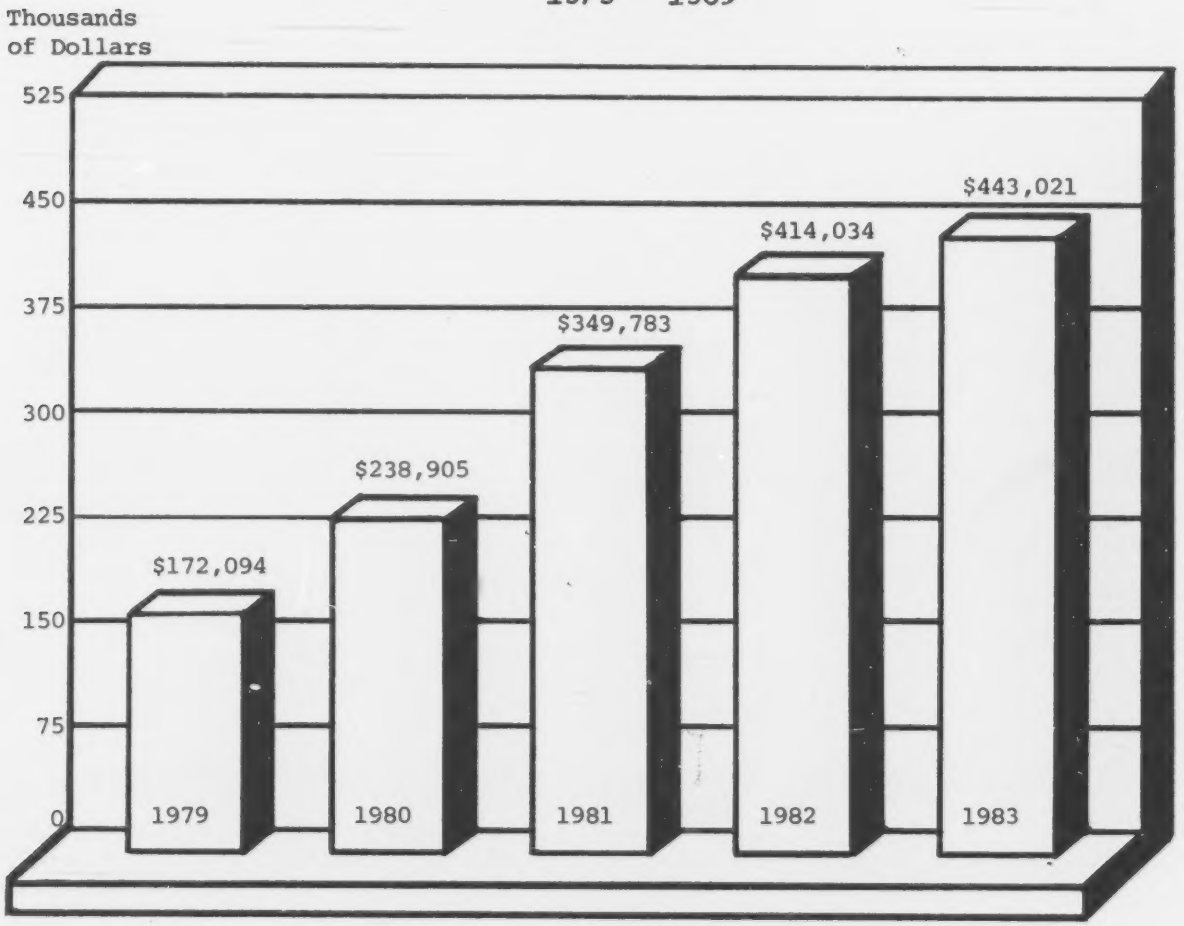
EMPLOYMENT CERTIFICATES ISSUED MINORS AGES 12 TO 18

1974 - 1983

(IN THOUSANDS)



WAGES COLLECTED FOR EMPLOYEES UNDER PAYMENT OF WAGE, VIRGINIA MINIMUM WAGE AND GARNISHMENT STATUTES 1979 - 1983



ANALYSIS OF CHILD LABOR CIVIL

MONEY PENALTIES

1982 and 1983

ITEM	ACCOMPLISHMENTS	
	1982*	1983
Number of Children Involved	64	82
Types of Violations Cited:		
Working without Employment Certificates	37	32
Failure to Keep Time Records	35	12
Employment of Children Under 14	3	6
Hazardous Employment	6	20
Working Illegal Hours	50	41
Number of Penalties Assessed Employers	32	83
Amount of Penalties Assessed Employers	$4,292.50	$5,545.00

*July 1, 1982 - December 31, 1982
(Child Labor Civil Money Penalty assessments was effective July 1, 1982)

DIVISION OF APPRENTICESHIP TRAINING

The Division of Apprenticeship Training is charged with the responsibility of maintaining a statewide system of apprentice training as prescribed by the Voluntary Apprenticeship Act of 1938. With the advice and guidance of the Virginia Apprenticeship Council, the Division is responsible for assisting employers in developing training programs, securing related classroom instruction, and recruiting both industries and qualified apprenticeship applicants for participation in the state program. The overall objective of the Division's efforts is to expand the state's skilled work force through a cooperative training program involving both industry and government, and to provide young Virginians with career opportunities in skilled trades. The following data reflect the Division's activities during the previous biennium:

STATISTICAL DATA ON APPRENTICESHIP PROGRAM

1940 - 1983

ITEMS	Total 1940-1982	Total 1983
Firms approved to train apprentices	16,712	371
Programs revised 1/	--	425
Apprentices active at beginning of 1983	--	6,899 c/
Apprentices registered and reinstated	87,177 c/	3,039 c/
Apprentices cancelled	49,273 c/	1,415 a/
Apprentices suspended	--	42
Apprentices completed without a certificate	--	84 b/
Apprentices completed with a certificate	27,935	1,480
Apprentices active December 31, 1983	--	6,917 c/

1/ Programs changed to incorporate wage changes, outline of training schedules, etc.

a/ The number of cancellations is due largely to two factors: (1) work shortage and (2) removal of apprentices who refused to take related instruction.

b/ These are apprentices who completed the on-the-job phase of their training but for some reason did not complete all related instruction requirements.

c/ This figure includes Newport News Shipbuilding and Dry Dock Company apprentices and apprentices in nationally registered programs.

REGISTERED APPRENTICESHIP SYSTEMS, PARTICIPATING ESTABLISHMENTS, AND APPRENTICES, BY TYPE OF SYSTEM IN VIRGINIA AS OF DECEMBER 31, 1982 1/

APPRENTICESHIP SYSTEMS AND RELATED FACTORS	Type of System					
		Group		Individual		
	All Types	Joint	Not Joint	Joint	No Union	Union Waiver
Systems, Total	2,463	36	7	66	2,328	26
Systems with no apprentices	1,238	1	0	28	1,198	11
Systems having apprentices	1,225	35	7	38	1,130	15
Apprentices, Total	6,894	829	132	505	5,282	146

1/ DEFINITIONS FOR STATISTICAL PURPOSES

The following definitions are intended for statistical purposes only to cover variations in current practices among states, and to permit uniformity in national tables. They are not intended as substitutes for any definitions already contained in the policies of state or Federal authorities.

Apprenticeable occupation

Any occupation so designated by the Bureau of Apprenticeship or a State Apprenticeship Agency recognized for statistical purposes by the Bureau of Apprenticeship.

Registered apprentice

An employee who under an expressed or implied agreement for a stipulated term, receives instruction in an apprenticeable occupation, and who is employed in a registered apprenticeship system, and concerning whom a recognized apprenticeship agency has on record all of the information it requires.

Registered apprenticeship system

A system for the training of apprentices through employment, established by employer(s) and/or union(s), and in which authority has been placed for determining that an apprentice has completed his training, and regarding which a written description of the terms and conditions of employment and training of apprentices has been registered by a recognized apprenticeship agency.

Types of registered apprenticeship systems

(GJ) Group Joint - A system embracing two or more companies which is jointly established by employers and union(s), and operated by a committee equally representative of employers and union(s).
(GW) Group Waiver - A system embracing two or more companies which is jointly established by employers of union(s), but in which one of the parties has waived participation in the operation of the system.
(GN) Group Not-Joint - A system embracing two or more companies which is established and operated by employers only.
(IJ) Individual Joint - A system limited to one company which is jointly established by employer and union(s), and operated by a committee equally representative of employer and union(s).
(IW) Individual Waiver - A system limited to one company which is jointly established by employer and union(s), but in which the union has waived participation in the operation of the system.
(IN) Individual Not-Joint - A system limited to one company which is established and operated by employer only.

REGISTERED APPRENTICESHIP SYSTEMS, PARTICIPATING ESTABLISHMENTS, AND APPRENTICES, BY TYPE OF SYSTEM IN VIRGINIA AS OF DECEMBER 31, 1983 1/

APPRENTICESHIP SYSTEMS AND RELATED FACTORS	Type of System					
		Group		Individual		
	All Types	Joint	Not Joint	Joint	No Union	Union Waiver
Systems, Total	2,574	35	8	65	2,441	25
Systems with no apprentices	1,331	3	1	30	1,286	11
Systems having apprentices	1,243	32	7	35	1,155	14
Apprentices, Total	6,917	735	223	218	5,553	188

1/ DEFINITIONS FOR STATISTICAL PURPOSES

The following definitions are intended for statistical purposes only to cover variations in current practices among states, and to permit uniformity in national tables. They are not intended as substitutes for any definitions already contained in the policies of state or Federal authorities.

Apprenticeable occupation

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Registered apprentice

An employee who under an expressed or implied agreement for a stipulated term, receives instruction in an apprenticeable occupation, and who is employed in a registered apprenticeship system, and concerning whom a recognized apprenticeship agency has on record all of the information it requires.

Registered apprenticeship system

A system for the training of apprentices through employment, established by employer(s) and/or union(s), and in which authority has been placed for determining that an apprentice has completed his training, and regarding which a written description of the terms and conditions of employment and training of apprentices has been registered by a recognized apprenticeship agency.

Types of registered apprenticeship systems

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(GW) Group Waiver - A system embracing two or more companies which is jointly established by employers of union(s), but in which one of the parties has waived participation in the operation of the system.
(GN) Group Not-Joint - A system embracing two or more companies which is established and operated by employers only.
(IJ) Individual Joint - A system limited to one company which is jointly established by employer and union(s), and operated by a committee equally representative of employer and union(s).
(IW) Individual Waiver - A system limited to one company which is jointly established by employer and union(s), but in which the union has waived participation in the operation of the system.
(IN) Individual Not-Joint - A system limited to one company which is established and operated by employer only.

JOINT REGISTERED APPRENTICESHIP SYSTEMS AND REGISTERED APPRENTICES IN JOINT SYSTEMS

BY TYPE OF SYSTEM AND BARGAINING AGENCY IN VIRGINIA AS OF DECEMBER 1982

Bargaining Agency	Bargaining Agency Code	Joint Systems			Apprentices in Joint Systems		
		Total	Group	Individual	Total	Group	Individual
All A.F.L. & C.I.O. Unions	34	102	36	66	1,334	829	505
Asbestos Workers	05	4	3	1	13	10	3
United Automobile Workers of America	06	1	0	1	5	0	5
Bakery and Confectionary Workers	07	1	0	1	4	0	4
Boilermakers	11	1	0	1	254	0	254
Bookbinders	12	1	0	1	0	0	0
Bricklayers, Masons and Plasters	14	4	3	1	30	30	0
Bridge, Structural and Ornamental Iron	15	3	3	0	29	29	0
Carpenters and Joiners	18	4	4	0	93	93	0
International Chemicals Workers	20	2	0	2	18	0	18
Electrical Workers	26	12	7	5	457	422	35
Engineers	28	2	2	0	22	22	0
Glass Bottle Blowers Association of U.S.	35	2	1	1	14	11	3
Glass Workers	37	2	1	1	17	13	4
Lathers - Wood, Wire and Metal	47	0	0	0	0	0	0
Tile and Marble Setters	53	0	0	0	0	0	0
Mine Workers of America	59	1	0	1	36	0	36
Painters, Decorators and Paperhangers	63	3	3	0	30	30	0
Patternmakers	65	0	0	0	0	0	0
Photo-Engravers	66	1	0	1	2	0	2
Plasterers and Cement Finishers	67	2	2	0	4	4	0
Plumbing and Pipefitting	69	5	4	1	135	132	3
Printing Pressman and Assistants	74	8	0	8	18	0	18
Sheet Metal Workers	86	3	3	0	33	33	0
Stereotypers and Electrotypers	93	1	0	1	0	0	0
Teamsters, Chauffeurs, Warehousemen and Helpers	99	2	0	2	21	0	21
International Typographical Union	103	2	0	2	0	0	0
Combined A.F.L. Unions	299	1	0	1	0	0	0
Paperworkers of America	327	2	0	2	25	0	25
Rubber, Cork, Linoleum and Plastic Workers of America	332	1	0	1	26	0	26
United Steel Workers	334	3	0	3	4	0	4
Machinists I.A.M.	618	23	0	23	33	0	33
Union Affiliation Not Indicated	900	0	0	0	0	0	0
Union Unassigned	901	4	0	4	9	0	9
Aluminum Workers International	902	1	0	1	2	0	2

JOINT REGISTERED APPRENTICESHIP SYSTEMS AND REGISTERED APPRENTICES IN JOINT SYSTEMS

BY TYPE OF SYSTEM AND BARGAINING AGENCY IN VIRGINIA AS OF DECEMBER 1983

Bargaining Agency	Bargaining Agency Code	Joint Systems			Apprentices in Joint Systems		
		Total	Group	Individual	Total	Group	Individual
All A.F.L. & C.I.O. Unions	32	100	35	65	942	735	207
Asbestos Workers	05	4	3	1	6	5	1
United Automobile Workers of America	06	1	0	1	6	0	6
Bakery and Confectionary Workers	07	1	0	1	4	0	4
Boilermakers	11	1	0	1	28	0	28
Bookbinders	12	1	0	1	0	0	0
Bricklayers, Masons and Plasters	14	3	3	0	28	28	0
Bridge, Structural and Ornamental Iron	15	3	3	0	16	16	0
Carpenters and Joiners	18	4	4	0	70	70	0
International Chemicals Workers	20	2	0	2	10	0	10
Electrical Workers	26	12	7	5	386	372	14
Engineers	28	2	2	0	16	16	0
Glass Bottle Blowers Association of U.S.	35	2	1	1	14	11	3
Glass Workers	37	2	1	1	17	13	4
Lathers - Wood, Wire and Metal	47	0	0	0	0	0	0
Mine Workers of America	53	0	0	0	0	0	0
Painters, Decorators and Paperhangers	63	3	2	1	35	31	4
Patternmakers	65	0	0	0	0	0	0
Photo-Engravers	66	1	0	1	0	0	0
Plasterers and Cement Finishers	67	2	2	0	3	3	0
Plumbing and Pipefitting	69	5	4	1	142	140	2
Printing Pressman and Assistants	74	8	0	8	11	0	11
Sheet Metal Workers	86	3	3	0	30	30	0
Stereotypers and Electrotypers	93	1	0	1	0	0	0
Teamsters, Chauffeurs, Warehousemen and Helpers	99	2	0	2	21	0	21
International Typographical Union	103	2	0	2	0	0	0
Combined A.F.L. Unions	299	1	0	1	3	0	3
Paperworkers of America	327	2	0	2	37	0	37
Rubber, Cork, Linoleum and Plastic Workers of America	332	1	0	1	24	0	24
United Steel Workers	334	3	0	3	2	0	2
Machinists I.A.M.	618	23	0	23	25	0	25
Union Unassigned	901	4	0	4	5	0	5
Aluminum Workers International	902	1	0	1	3	0	3

ACTIVITIES OF APPRENTICESHIP TRAINING FIELD REPRESENTATIVES

The Apprenticeship Training Field Representatives are daily making an important contribution to increasing the productivity of industry an business throughout Virginia. The Apprenticeship Training Field Representative, because of the nature of his position, background of trade and educational experience and knowledge of employer and employee relations, provides an effective counseling and advisory service to over 2,000 business and industrial establishments each year.

Many establishments, too small to employ personnel and training specialists, rely on the field representatives to advise and assist in the planning and developing of training programs that meet their respective needs. These programs are helping to increase productivity by reducing waste and inefficiency through the development of all-round skilled mechanics. While the Apprenticeship Training Field Representative has no responsibility for placement of an apprentice, he performs an important service to industry, the community and the state through his activity of advising employers on entrance requirements for apprentices, taking part in high school career programs, promoting the use of approved guidance and testing procedures offered by the Virginia Employment Service. Another contribution in the public interest is brought about by the field representative who brings labor and management together as a Joint Apprenticeship Committee, where they work harmoniously for the best interest of industry and the young apprentice who is the future mechanic.

The field representative, because of his position and experience, probably has a better opportunity to provide an effective service to industry and community through the development and maintenance of skill than any other public employee.

ACTIVITY REPORT FOR APPRENTICESHIP FIELD REPRESENTATIVES

1982 REPORT OF APPRENTICE ACTIONS BY AREAS

	APPRENTICE INFORMATION						PROGRAM INFORMATION		
AREA	New Agreements	Reinstatements	Suspensions	Cancellations	Completions	Completions Without Certificate	New Programs	Revised Programs	Cancelled Programs
Bristol	102	4	1	49	29	15	36	20	14
Front Royal	135	5	10	93	79	2	33	22	24
Lynchburg	97	0	0	107	108	7	19	13	6
Newport News	146	2	1	123	56	14	38	66	10
Norfolk (I-JC)	255	10	1	205	93	13	17	27	10
Norfolk (II-TK)	127	5	1	116	44	12	28	57	12
Northern Virginia (I-FG)	199	10	25	156	73	13	45	37	72
Northern Virginia (II-DK)	168	8	8	124	56	6	32	41	28
Richmond (I-)*	254	2	1	223	219	2	26	29	40
Richmond (II-WP)	236	5	0	146	151	1	30	30	36
Roanoke (I-RV)	91	4	0	75	85	24	22	26	22
Roanoke (II-WW)	114	6	2	91	93	3	24	44	29
Staunton	126	1	4	66	61	22	20	19	10
TOTALS BY AREAS	2,050	62	54	1,574	1,147	134	370	431	313
National & In-Plant Programs	756	2	0	341	449	0	0	0	0
GRAND TOTAL	2,806	64	54	1,915	1,596	134	370	431	313

*Vacant federal position.

ACTIVITIES OF APPRENTICESHIP TRAINING FIELD REPRESENTATIVES

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ACTIVITY REPORT FOR APPRENTICESHIP FIELD REPRESENTATIVES

1983 REPORT OF APPRENTICE ACTIONS BY AREAS

	APPRENTICE INFORMATION						PROGRAM INFORMATION		
AREA	New Agreements	Reinstatements	Suspensions	Cancellations	Completions	Completions Without Certificate	New Programs	Revised Programs	Cancelled Programs
Bristol	86	7	0	40	35	8	24	52	8
Front Royal	157	7	1	59	60	1	35	16	48
Lynchburg	139	0	0	49	60	3	28	13	4
Newport News	147	4	1	91	84	2	32	54	25
Norfolk (I-JC)	255	2	0	137	79	2	25	16	14
Norfolk (II-TK)	108	3	1	73	69	9	33	49	12
Northern Virginia (I-FG)	233	3	19	142	48	5	38	35	33
Northern Virginia (II-DK)	161	7	8	85	59	0	30	25	24
Richmond (I-RV)	322	1	1	164	138	10	34	24	10
Richmond (II-WP)	233	6	1	103	103	2	38	35	27
Roanoke (I-RV)*	35	1	8	31	35	5	8	6	6
Roanoke (II-WW)	181	6	1	73	79	7	23	72	29
Staunton	172	0	1	61	64	30	33	28	9
TOTALS BY AREAS	2,229	47	42	1,108	913	84	371	425	249
National & In-Plant Programs	736	27	0	307	567	0	0	0	0
GRAND TOTAL	2,965	74	42	1,415	1,480	84	371	425	249

* Federal position which was abolished June, 1983. Representative transferred to Richmond.

FIELD STAFF CONTACTS

BY AREAS AND TYPES

1982 and 1983

The following is a report showing contacts made by areas and types during 1982 and 1983 by the field staff of the Division of Apprenticeship Training. Development Contacts are contacts for the purpose of promoting and developing new Apprenticeship Training Programs in individual plants, joint committees, areas, trades, etc. Maintenance Contacts are contacts for the purpose of servicing or maintaining Apprenticeship Training Programs already approved and registered by the Council. Other Contacts are contacts with Vocational Education people, local school officials, Employment Service people, school guidance personnel and all other groups and associations related to and interested in Apprenticeship Training.

Area	Development 1982-1983		Maintenance 1982-1983		Other 1982-1983		Totals 1982-1983	
Bristol	306	365	472	442	468	278	1,246	1,085
Front Royal	71	130	416	444	66	55	553	629
Lynchburg	350	287	345	451	92	50	787	788
Newport News	216	315	518	537	102	90	836	942
Norfolk (I-JC)	166	148	443	432	190	126	799	706
Norfolk (II-TK)	96	126	721	750	145	162	962	1,038
Northern Virginia (I-FG)	99	68	1,278	1,301	59	55	1,436	1,424
Northern Virginia (II-DK)	59	74	555	468	220	96	834	638
Richmond (I)*	0		0		0		0	
Richmond (I-RV)	—	—	24		64		13	101
Richmond (II-WP)	123	127	622	628	127	84	872	839
Roanoke (I-RV)**	59	13	257	94	98	45	414	152
Roanoke (II-WW)	83	110	535	547	131	210	749	867
Staunton	208	231	553	568	156	173	917	972
TOTALS	1,836	2,018	6,715	6,726	1,854	1,437	10,405	10,181

*Vacant federal position.
**Federal position which was abolished June, 1983. Representative transferred to Richmond.

APPRENTICE ACTIVITY BY OCCUPATION GROUP

1982

Occupation	Beginning Period	New Apprentices	Reinstatements	Cancellations	Suspensions	Completions	CWC*	End of Period	Sponsors of Occup.
Architectural Drafter	1	0	0	0	0	0	0	1	2
Electronic Technician	32	1	0	1	0	7	0	25	12
Instrument Technician	2	0	0	0	0	0	0	2	1
Electrical Drafter	1	0	0	1	0	0	0	0	2
Engineering Aide	3	0	0	0	0	0	1	2	6
Tool Designer	2	0	0	0	0	0	0	1	3
Machinist-Engineering Aide	4	0	0	0	0	0	0	4	2
Mechanical Drafter	5	2	0	0	0	0	0	7	7
Drafter, Commercial	1	0	0	0	0	1	0	0	1
Party Chief (Surveyor)	32	12	1	4	4	12	0	25	31
Instrument Surveyor Assistant	4	4	0	3	0	2	0	3	8
Laboratory Technician	1	0	0	0	0	0	0	1	1
Golf Professional	0	1	0	1	0	0	0	0	1
Quality Assurance Inspector	0	1	0	0	0	0	0	1	1
Mailer	1	0	0	0	0	1	0	0	1
Auto Parts Clerk	0	1	0	0	0	0	0	1	4
Optician-Dispensing	42	38	0	19	1	6	2	52	68
Commercial Food Equipment Technician	0	1	0	0	0	0	0	0	1
Cook	98	20	2	16	2	12	2	88	38
Meat Cutter	6	2	0	2	0	1	0	5	11
Barber	99	108	2	50	1	75	6	77	249
Cosmetologist	348	390	7	258	2	133	4	348	895
Shoe Repairer	2	0	0	2	0	0	0	0	2
Plater	8	1	0	0	0	2	0	7	3
Electric Instrument Mechanic (Chemical)	3	0	0	0	0	0	0	3	1
Molder	23	4	0	3	0	6	0	18	2
Baker	2	2	0	2	0	0	0	2	3
Experimental Facilities Mechanic	31	0	0	0	0	0	0	31	1
Machinist	605	221	3	132	0	130	17	550	226
Auto Machinist	6	2	0	4	0	0	1	3	9
Experimental Machinist	14	1	0	0	0	0	0	15	2
Maintenance Machinist	39	8	1	4	0	6	0	38	16
Job Setter	9	0	0	5	0	0	0	4	1
Machine Set-Up Operator	6	0	0	3	0	0	0	3	1
Mold Maker (Die Casting & Plastic Molding)	12	1	0	1	0	5	0	7	1
Tool Maker	6	3	1	0	4	2	0	4	5
Tool & Die Maker	82	23	0	4	5	14	2	80	42
Surface Grinding Specialist	4	0	0	1	0	1	0	2	1
Highway Construction Inspector	4	0	0	3	0	1	0	0	2
Blacksmith	7	1	0	1	0	1	0	6	2
Inspector, Metal Fabricating	17	0	0	0	0	0	0	17	1
Metal Fabricator	19	5	0	3	0	3	0	18	8
Auto Mechanic	54	24	1	23	0	11	5	40	99
Construction Equipment Mechanic	48	9	2	8	0	11	1	39	24
Truck Mechanic	15	13	1	7	0	4	0	18	26
Motorcycle Mechanic	1	0	0	1	0	0	0	0	4
Transmission Mechanic	3	0	0	0	0	1	1	1	2
Aerospace Engineering Technician	1	0	0	0	0	0	0	1	2
Outside Machinist	307	94	5	35	0	75	0	291	5
Farm Equipment Mechanic	6	0	0	0	0	0	0	6	9
Diesel Mechanic	22	1	0	4	0	8	1	10	16
Fuel Injection Mechanic	1	0	0	0	0	0	0	1	3
Gas Engine Mechanic	1	0	0	1	0	0	0	0	2
Maintenance Machine Repairer	0	1	0	0	0	0	0	1	1
Maintenance Mechanic (Chemical)	5	0	0	0	0	1	0	4	1
Treatment Plant Mechanic	18	9	0	1	0	1	0	25	2
Gunsmith	2	0	0	1	0	0	0	1	2
Cash Register Servicer	1	0	0	0	0	1	0	0	1
Office Machine Servicer	41	0	0	39	0	0	0	2	12
Scale Mechanic	2	1	0	0	0	0	0	3	3
Industrial A/C Mechanic	10	6	0	3	0	1	0	12	14
Gas Appliance Servicer	1	0	0	1	0	0	0	0	2
Refrigeration Mechanic	74	33	1	11	0	12	2	84	50
Maintenance Mechanic	224	82	3	54	4	47	16	188	105
Millwright	118	6	2	6	3	30	0	87	16
Bowling Alley Maintenance Mechanic	1	0	0	1	0	0	0	0	2
Industrial Sewing Machine Repairer	1	1	0	2	0	0	0	0	2
Rotogravure Press Operator	53	10	0	4	0	26	0	33	2
Web Press Operator	32	13	0	3	0	17	0	25	1
Printer	1	0	0	0	0	0	0	1	1
Offset Press Operator	9	5	0	4	0	2	0	8	19
Bindery Worker	41	20	0	3	0	20	0	38	6
Cabinet Maker	41	16	0	15	0	8	2	32	34
Loft Worker	16	10	0	1	0	2	0	23	1
Wood Patternmaker	12	2	0	1	0	0	0	13	8
Machinist, Wood (Millman)	1	0	0	1	0	0	0	0	5
Metal Patternmaker	13	1	0	0	0	9	0	5	4
Engineering Technician (Aerospace Model Development)	14	0	0	0	0	0	0	14	1
Jeweler	2	8	0	0	0	1	0	9	4
Locksmith	7	0	0	1	0	0	0	6	7
Electro-Mechanical Technician	9	9	0	1	0	3	1	13	2

APPRENTICE ACTIVITY BY OCCUPATION GROUP

1982

Occupation	Beginning Period	New Apprentices	Reinstatements	Cancellations	Suspensions	Completions	CWC*	End of Period	Sponsors of Occup.
Instrument Mechanic	26	3	0	2	0	9	0	18	7
Meter Repairer	1	0	0	0	0	1	0	0	1
Dental Lab Technician	3	0	0	1	0	1	0	1	5
Prosthetics Technician	1	1	0	0	0	0	0	2	2
Ophthalmic Technician	1	0	0	0	0	1	0	0	1
Optical Lab Technician	2	1	0	2	0	0	0	1	4
Biomedical Equipment Repairer	2	1	0	0	0	2	0	1	1
TV & Radio Repairer	10	1	0	0	0	1	0	10	6
Repairer & Winder	1	0	0	0	0	0	0	1	1
Electric Motor Repairer	6	0	1	0	1	0	3	3	9
Electronics Inspector (Quality Control)	2	11	0	2	0	0	0	11	1
Plastics Fabricator	4	0	0	0	0	0	0	4	3
Furniture Finisher	1	0	0	1	0	0	0	0	5
Glass Blower	0	1	0	1	0	0	0	0	1
Furniture Upholsterer	5	1	0	0	0	4	1	1	4
Sail Maker	12	4	0	0	0	2	0	14	1
Structural Steel Worker	47	13	0	12	2	12	0	34	8
Sheet Metal Worker	353	131	4	69	0	65	3	351	120
Boilermaker	80	10	1	9	0	13	0	69	3
Boilerhouse Mechanic	13	1	0	0	0	1	0	13	2
Rigger (Ship)	119	33	0	10	0	15	0	127	4
Shipfitter	299	97	0	49	0	63	1	283	4
Truck Body Repairer	0	3	0	0	0	0	0	3	3
Auto Body Repairer	10	1	0	1	0	2	3	5	24
Fabricator-Assembler (Metal)	3	0	0	1	0	0	0	2	2
Welder	228	78	2	38	0	41	1	228	25
Line Erector (Power & Light)	33	1	0	31	0	0	0	3	8
Burglar Alarm Servicer	0	4	0	0	0	0	0	4	2
Electrician	1,049	439	8	314	4	194	15	969	279
Ship Electrician	345	82	0	31	0	57	1	338	5
Electric Appliance Servicer	1	3	0	0	0	0	0	4	9
Electronics Mechanic	125	4	0	0	0	21	0	108	8
Maintenance Electrician	159	27	4	24	1	49	1	115	78
Cable Splicer	10	1	0	0	0	1	0	10	1
Painter	60	29	2	27	0	6	7	51	19
Painter (Ship)	63	16	0	7	0	9	0	63	4
Lather	9	5	0	6	0	2	1	5	6
Plasterer	7	8	0	1	0	2	1	11	8
Drywall Taper	1	0	0	0	0	0	0	1	1
Cement Mason	7	1	0	1	1	0	4	2	3
Well Driller	0	1	0	0	0	0	0	1	1
Operating Engineer	32	1	1	3	1	5	0	25	10
Maintenance Carpenter	8	0	0	0	0	2	0	6	9
Ship Carpenter	24	3	0	4	0	5	0	18	2
Carpenter	346	93	2	143	5	43	0	250	101
Carpenter (Rough)	5	0	0	0	0	1	0	4	1
Joiner (Ship)	34	4	0	1	0	4	0	33	3
Shipwright	33	0	0	0	0	5	0	28	2
Bricklayer	103	18	3	28	8	24	2	62	45
Tile Setter	3	3	0	2	0	0	0	4	4
Sewer Systems Supervisor	7	3	0	3	0	0	0	7	1
Pipefitter (Ship)	352	157	1	40	0	75	0	395	4
Oil Burner Servicer & Installer	5	3	0	3	0	0	0	5	3
Pipefitter	222	41	1	70	0	47	1	146	66
Plumber	293	94	3	97	5	50	6	232	168
Insulation Worker	76	25	0	21	0	11	2	67	12
Pipecoverer	45	10	0	3	0	3	0	49	2
Floor Layer	1	0	0	1	0	0	0	0	7
Glazier	15	1	0	0	0	2	0	14	5
Asbestos Worker	9	7	0	3	0	0	0	13	1
Dockmaster	1	1	0	1	0	0	0	1	1
Maintenance Repairer (Factory/Mill)	1	0	0	0	0	0	0	1	1
Maintenance Repairer (Building)	95	57	3	72	0	14	15	54	42
Rigger	2	1	0	1	0	0	0	2	1
Stationary Engineer	7	1	0	0	0	5	0	3	6
Water Treatment Plant Operator	7	1	0	0	0	1	0	7	6
Wastewater Treatment Plant Operator	61	34	1	15	0	1	0	80	4
Layout Former	2	0	0	0	0	0	2	0	1
Photo Retoucher	4	0	0	1	0	0	0	3	1
Etcher-Photoengraving	14	0	0	3	0	2	0	9	2
Finisher-Photoengraving	2	0	0	0	0	1	0	1	1
Printer-Photoengraving	2	0	0	0	0	2	0	0	1
Stripper-Photoengraving	1	0	0	0	0	1	0	0	3
Photographer-Photoengraving	6	0	0	1	0	2	0	3	2
Lithographer	2	0	0	0	0	0	0	2	4
Transferrer	1	5	0	0	0	1	0	5	3
Photographer-Lithographic	0	1	0	0	0	0	0	1	2
Compositer	2	2	0	2	0	0	0	2	9
Engraver (Machine)	3	1	0	0	0	1	0	3	1
Stripper	9	0	0	1	0	1	0	7	2
TOTALS	7,723	2,806	64	1,915	54	1,596	134	6,894	3,403

*Completion Without Certificate - apprentices who completed on-the-job training but did not complete related instruction.

APPRENTICE ACTIVITY BY OCCUPATION GROUP

1983

Occupation	Beginning Period	New Apprentices	Reinstatements	Cancellations	Suspensions	Completions	CWC*	End of Period	Sponsors of Occup.
Architectural Drafter	1	0	0	0	0	1	0	0	2
Electronic Technician	26	1	0	1	0	15	0	11	13
Instrument Technician	2	0	0	0	0	0	0	2	1
Electrical Drafter	0	1	0	0	0	0	0	1	1
Engineering Aide	2	0	0	0	0	0	0	2	6
Tool Designer	1	0	0	0	0	0	0	1	3
Machinist-Engineering Aide	4	0	0	0	0	1	2	1	2
Mechanical Drafter	7	0	0	1	0	0	4	2	7
Party Chief (Surveyor)	25	23	0	9	1	2	0	36	30
Instrument Surveyor Assistant	3	1	0	1	0	1	0	2	9
Laboratory Technician	1	0	0	0	0	1	0	0	1
Photographer	0	1	0	0	0	0	0	1	2
Quality Assurance Inspector	1	0	0	0	0	1	0	0	1
Auto Parts Clerk	1	2	0	0	0	1	0	2	4
Optician-Dispensing	52	43	3	16	0	12	3	67	90
Commercial Food Equipment Technician	0	1	0	0	0	0	0	1	1
Cook	88	79	0	11	0	19	1	136	35
Meat Cutter	5	7	0	2	0	0	0	10	12
Barber	76	62	3	21	0	54	0	66	243
Cosmetologist	350	384	8	223	6	123	5	385	925
Psychiatric Aide	0	6	0	0	0	0	0	6	1
Carpet Cleaner	0	1	0	1	0	0	0	0	1
Plater	7	2	0	2	0	0	0	7	3
Electric Instrument Mechanic (Chemical)	3	0	0	0	0	2	0	1	1
Molder	18	3	1	1	0	1	0	20	2
Baker	2	3	0	1	0	0	0	4	4
Experimental Facilities Mechanic	31	0	0	0	0	9	0	22	1
Machinist	636	238	7	81	1	134	6	659	237
Auto Machinist	3	1	0	1	0	0	0	3	8
Experimental Machinist	15	0	0	0	0	2	0	13	2
Maintenance Machinist	38	1	0	3	0	8	0	28	17
Job Setter	4	0	1	1	0	4	0	0	1
Machine Set-Up Operator	3	0	0	1	0	2	0	0	1
Mold Maker (Die Casting & Plastic Molding)	7	0	0	0	0	0	0	7	1
Tool Maker	4	2	4	1	1	0	0	8	5
Tool & Die Maker	80	15	0	13	1	11	1	69	43
Surface Grinding Specialist	2	0	0	1	0	0	0	1	1
Blacksmith	8	0	0	0	0	2	0	6	2
Inspector, Metal Fabricating	17	15	0	0	0	5	0	27	1
Metal Fabricator	18	17	0	4	0	7	0	24	10
Auto Mechanic	40	17	0	10	0	6	3	38	89
Construction Equipment Mechanic	39	5	0	3	0	18	1	22	22
Truck Mechanic	18	5	0	7	1	1	0	14	28
Transmission Mechanic	1	2	0	0	0	1	0	2	2
Aerospace Engineering Technician	1	0	0	0	0	0	0	1	2
Outside Machinist	205	64	5	31	0	49	0	194	5
Motorboat Mechanic	0	1	0	0	0	0	0	1	4
Farm Equipment Mechanic	6	0	0	0	0	1	1	4	9
Diesel Mechanic	10	8	0	3	0	6	0	9	15
Fuel Injection Mechanic	1	2	0	2	0	0	0	1	4
Maintenance Machine Repairer	1	0	0	0	0	0	0	1	1
Maintenance Mechanic (Chemical)	4	0	0	0	0	4	0	0	1
Treatment Plant Mechanic	25	0	0	0	0	6	0	19	2
Gunsmith	1	1	0	0	0	0	0	2	3
Office Machine Servicer	2	0	0	0	0	1	0	1	8
Scale Mechanic	3	0	0	1	0	0	0	2	3
Industrial A/C Mechanic	12	3	0	3	0	2	0	10	16
Refrigeration Mechanic	84	41	1	13	1	21	1	90	50
Maintenance Mechanic	188	82	0	25	2	27	18	198	113
Millwright	86	52	0	2	0	25	1	110	16
Industrial Sewing Machine Repairer	0	1	0	0	0	0	0	1	2
Rotogravure Press Operator	33	0	0	1	0	12	0	20	2
Web Press Operator	25	13	0	2	0	13	0	23	11
Printer	1	0	0	0	0	0	0	1	1
Offset Press Operator	8	2	0	2	0	0	0	8	17
Bindery Worker	38	43	0	4	0	28	0	49	6
Cabinet Maker	32	4	0	1	0	4	0	21	32
Loft Worker	23	11	0	4	0	5	0	25	1
Wood Patternmaker	13	2	0	1	0	5	0	9	8
Machinist, Wood (Millman)	0	1	0	0	0	0	0	1	6
Metal Patternmaker	5	0	0	0	0	0	0	5	4
Engineering Technician (Aerospace Model Development)	13	0	0	0	0	1	0	12	1
Jeweler	9	0	0	2	0	6	0	1	4
Locksmith	6	0	0	1	0	0	0	5	7
Electro-Mechanical Technician	13	2	1	3	0	0	1	12	3
Instrument Mechanic	21	0	0	1	0	3	6	11	7
Dental Lab Technician	1	3	0	0	0	0	0	4	6
Prosthetics Technician	2	2	0	1	0	0	0	3	2

APPRENTICE ACTIVITY BY OCCUPATION GROUP

1983

Occupation	Beginning Period	New Apprentices	Reinstatements	Cancellations	Suspensions	Completions	CWC*	End of Period	Sponsors of Occup.
Optical Lab Technician	1	0	0	0	0	0	1	0	3
Biomedical Equipment Repairer	1	2	0	0	0	0	0	3	1
TV & Radio Repairer	10	2	0	0	0	1	0	11	9
Repairer & Winder	1	0	0	0	0	0	0	1	1
Electric Motor Repairer	3	1	1	1	0	1	2	1	8
Electronics Inspector (Quality Control)	11	16	0	13	0	1	0	13	1
Plastics Fabricator	4	0	0	1	0	0	0	3	3
Furniture Upholsterer	1	1	0	1	0	0	0	1	4
Sail Maker	15	12	0	0	0	3	0	24	1
Structural Steel Worker	34	3	0	9	0	7	0	22	8
Sheet Metal Worker	350	124	4	65	1	67	8	337	119
Boilermaker	69	24	0	2	0	11	0	80	3
Boilerhouse Mechanic	13	6	0	0	0	3	0	16	2
Rigger (Ship)	127	26	2	17	0	15	0	123	4
Shipfitter	282	86	6	72	0	71	2	229	4
Truck Body Repairer	3	0	0	0	0	0	0	3	3
Auto Body Repairer	5	1	0	3	0	0	0	3	21
Layout Worker	0	1	0	0	0	0	0	1	1
Fabricator-Assembler (Metal)	2	0	0	2	0	0	0	0	2
Welder	225	72	3	44	0	44	0	212	29
Line Erector (Power & Light)	3	1	0	0	0	0	0	4	7
Burglar Alarm Servicer	4	0	0	0	0	0	0	4	2
Electrician	969	425	7	236	4	161	4	996	302
Ship Electrician	338	89	2	34	0	72	0	323	5
Electric Appliance Servicer	4	0	0	1	0	0	0	3	9
Electronics Mechanic	108	46	0	0	0	31	0	123	7
Maintenance Electrician	115	26	0	11	2	23	2	103	78
Sound Technician	0	3	0	0	0	0	0	3	1
Cable Splicer	10	6	0	0	0	2	0	14	1
Painter	49	32	1	14	1	4	1	62	22
Painter (Ship)	73	20	0	11	0	14	0	58	4
Lather	5	1	0	2	0	0	0	4	5
Plasterer	11	14	0	13	0	1	0	11	7
Drywall Taper	1	0	0	0	0	0	0	1	1
Cement Mason	2	0	0	1	0	0	1	0	3
Well Driller	1	0	0	1	0	0	0	0	1
Operating Engineer	25	6	0	1	0	12	0	18	11
Maintenance Carpenter	6	2	0	0	0	4	0	4	1
Ship Carpenter	16	0	0	1	0	6	0	9	2
Carpenter	250	116	1	90	0	42	1	225	100
Carpenter (Rough)	4	0	0	0	0	1	0	3	1
Joiner (Ship)	33	12	0	0	0	7	0	38	3
Shipwright	30	5	0	0	0	4	0	31	2
Bricklayer	62	21	0	14	1	10	1	57	44
Tile Setter	4	0	0	0	0	0	1	3	2
Sewer Systems Supervisor	7	0	0	0	0	0	0	7	1
Pipefitter (Ship)	396	98	4	57	0	74	0	367	4
Oil Burner Servicer & Installer	5	1	0	0	0	1	0	5	4
Pipefitter	148	92	3	21	1	19	3	199	63
Plumber	231	149	1	71	2	34	1	273	167
Insulation Worker	70	29	3	17	0	13	0	72	13
Pipecoverer	49	12	0	3	0	9	0	49	2
Glazier	14	1	0	1	0	0	0	14	5
Glazier (Auto)	0	2	0	0	0	0	0	2	1
Concrete Wall Technician	0	29	0	8	0	0	0	21	1
Asbestos Worker	13	4	0	2	0	2	0	13	1
Dockmaster	1	0	0	0	0	1	0	13	1
Maintenance Repairer (Factory/Mill)	1	0	0	0	0	0	0	1	1
Maintenance Repairer (Building)	55	46	1	19	7	12	1	63	46
Rigger	2	0	0	0	0	1	0	1	1
Stationary Engineer	3	9	0	3	0	0	0	9	6
Water Treatment Plant Operator	7	0	0	0	0	3	0	4	7
Wastewater Treatment Plant Operator	80	5	1	23	0	13	0	50	6
Photo Retoucher	3	0	0	0	0	3	0	0	1
Etcher-Photoengraving	9	5	0	0	0	4	0	10	2
Finisher-Photoengraving	1	0	0	0	0	1	0	0	1
Photographer-Photoengraving	3	0	0	1	0	1	0	1	2
Lithographer	2	0	0	0	0	0	0	2	4
Transferrer	5	4	0	0	0	5	0	4	3
Photographer-Lithographic	1	0	0	0	0	0	1	0	1
Compositer	2	0	0	1	0	0	0	1	9
Engraver (Machine)	3	0	0	0	0	1	0	2	1
Stripper	7	1	0	0	0	2	0	6	2
TOTALS	6,899	2,965	74	1,415	42	1,480	84	6,917	3,454

*Completion Without Certificate - apprentices who completed on-the-job training but did not complete related instruction.

COMPARATIVE REPORT OF CONTACTS MADE BY FIELD STAFF

BY MONTHS AND TYPES

1982 and 1983

The following is a comparative report of the contacts made by the field staff of the Division of Apprenticeship Training during 1982 and 1983. This report is based on the same figures used in compiling the report of contacts made by the field staff and shown by areas and types. This table shows the types of contacts by the number made during each month of the year.

Month	Development 1982	Development 1983	Maintenance 1982	Maintenance 1983	Other 1982	Other 1983	Totals 1982	Totals 1983
January	123	147	526	633	156	160	805	940
February	135	149	627	494	153	149	915	792
March	196	185	617	698	176	181	989	1,064
April	172	216	580	596	172	125	924	937
May	123	129	442	454	162	119	727	702
June	181	194	579	541	151	108	911	843
July	174	180	570	586	142	87	886	853
August	173	189	637	563	171	88	981	840
September	174	192	570	589	160	91	904	872
October	155	160	639	561	163	160	957	881
November	136	140	517	524	148	94	801	758
December	94	137	411	487	100	75	605	699
TOTALS	1,836	2,018	6,715	6,726	1,854	1,437	10,405	10,181

INDUSTRIES WITH APPRENTICESHIP PROGRAMS GROUPED BY THE NUMBER OF EMPLOYEES EMPLOYED

1982 and 1983

Number of Systems 1982	Number of Systems 1983	Number of Employees in Firm
1,344	1,452	1 to 9
487	479	10 to 24
217	222	25 to 49
131	134	50 to 99
93	93	100 to 199
140	145	200 to 999
42	40	1,000 to 4,999
9	9	5,000 or more
0	0	Size Class N/A
2,463	2,574	TOTAL SYSTEMS

DIVISION OF INDUSTRIAL SAFETY

The Division of Industrial Safety is charged with the administration and enforcement of those provisions of Title 40.1 of the Virginia Code relating to the safety of workers employed in commercial and industrial establishments in both the public and private sectors. The primary mission of the Division is to protect the lives and physical well-being of the state's industrial workforce through regular inspections of workplaces, accident investigations, and the issuance of penalties and citations for violations of current state safety requirements. The following data reflect the Division's activities during the previous biennium:

ANALYSIS OF ACTIVITIES OF THE
INDUSTRIAL SAFETY DIVISION
1982 and 1983

ITEM	ACCOMPLISHMENTS	
	1982	1983
General Schedule Inspections (actual establishment inspections)	385	473
Record Review Inspections	255	260
Accident/Fatality Investigations	18	25
Complaint Investigations	131	112
Follow-Up Inspections	77	84
Total Safety Inspections	866	954
Safety Violations Noted	2,174	3,035
Court Cases Completed	5	2
Informal Conferences	43	53
Speeches and Seminars	4	4
Safety Schools for Representatives	8	20
State Safety Conference	1	1

DIVISION OF CONSTRUCTION SAFETY

The Division of Construction Safety is charged with the administration and enforcement of those provisions of Title 40 of the Virginia Code that address the safety of workers employed in construction, demolition, and excavation. The primary mission of the Division is to protect the lives and physical well-being of the state's construction workforce through regular inspections of construction sites, accident investigations, and the issuance of penalties and citations for violations of current state safety requirements. The following data reflect the Division's activities during the previous biennuim:

ANALYSIS OF ACTIVITIES OF THE CONSTRUCTION SAFETY DIVISION

1982 and 1983

ITEM	ACCOMPLISHMENTS	
	1982	1983
Safety Inspection:		
Accident Inspection	39	17
Complaint Inspections	126	88
General Schedule Inspections	1,879	1,329
Follow-up Inspections	101	49
Other Regulatory Inspections	8	6
Fatal Accident Investigations	16	13
Safety Violations	4,541	2,706
Court Cases Completed	23	29
Informal Conferences	124	72
Schools for Safety Representatives	15	18
State Safety Conference	1	1
Speeches and Seminars	4	3
Explosive Permits Issued:		
Storage of Explosives	943	957
Small Users of Explosives	372	359
Special Use of Explosives	2	0
Sale of Explosives	62	58
Manufacturers of Explosives	7	7
Revenue Collected	$14,310	$14,250

VIRGINIA AND METROPOLITAN AREAS
ESTIMATED EMPLOYMENT IN CONTRACT CONSTRUCTION INDUSTRIES
ANNUAL AVERAGES 1980 - 1983

STATE AND AREA	EMPLOYMENT AVERAGE FOR YEAR			
	1980	1981	1982	1983
Virginia				
Construction	128,300	116,300	103,800	112,700
General Building Contractors	38,900	32,900	28,100	30,000
Heavy Construction Contractors	23,800	20,500	17,900	19,000
Special Trade Contractors	65,600	62,800	57,800	63,700
Bristol Area 1/				
Construction	1,100	900	900	900
General Building Contractors	300	300	200	200
Heavy Construction Contractors	300	200	200	300
Special Trade Contractors	500	400	400	400
Lynchburg Metropolitan Area 2/				
Construction	3,200	2,700	2,600	2,500
General Building Contractors	1,100	900	800	800
Heavy Construction Contractors	500	500	400	400
Special Trade Contractors	1,600	1,400	1,400	1,300
Newport News-Hampton Metropolitan Area 3/				
Construction	7,300	6,900	6,400	7,000
General Building Contractors	2,600	2,200	1,900	2,200
Heavy Construction Contractors	900	800	800	1,000
Special Trade Contractors	3,800	3,900	3,700	3,800
Norfolk-Virginia Beach-Portsmouth Metropolitan Area 4/				
Construction	17,500	16,400	16,200	19,000
General Building Contractors	4,100	3,700	3,400	4,000
Heavy Construction Contractors	4,000	3,400	3,300	3,900
Special Trade Contractors	9,400	9,300	9,500	11,100
Northern Virginia Area 5/				
Construction	30,400	28,400	23,900	27,600
General Building Contractors	7,900	7,200	6,000	6,600
Heavy Construction Contractors	4,100	3,500	2,700	3,100
Special Trade Contractors	18,400	17,800	15,200	17,900
Petersburg-Colonial Heights-Hopewell Metropolitan Area 6/				
Construction	2,900	1,800	1,600	1,700
General Building Contractors	1,600	700	700	700
Heavy Construction Contractors	400	300	200	300
Special Trade Contractors	900	900	700	700
Richmond Metropolitan Area 7/				
Construction	19,000	17,700	16,100	15,900
General Building Contractors	4,300	3,900	3,800	3,400
Heavy Construction Contractors	3,000	2,600	2,100	1,900
Special Trade Contractors	11,700	11,100	10,300	10,600
Roanoke Metropolitan Area 8/				
Construction	5,500	4,900	4,600	5,100
General Building Contractors	1,300	1,200	1,100	1,300
Heavy Construction Contractors	1,400	1,100	1,000	1,200
Special Trade Contractors	2,800	2,600	2,500	2,700

Estimates include all full-time and part-time wage and salary workers who worked during or received pay for the period including the twelfth of the month.

1/ The Bristol, Virginia Metropolitan Area covers the city of Bristol and the counties of Scott and Washington.

2/ The Lynchburg Standard Metropolitan Statistical Area covers the city of Lynchburg and the counties of Amherst, Appomattox, and Campbell.

3/ The Newport News-Hampton Standard Metropolitan Statistical Area covers the cities of Newport News, Hampton, Poquoson, and Williamsburg and the counties of James City, York, and Gloucester.

4/ The Norfolk-Virginia Beach-Portsmouth Standard Metropolitan Statistical Area covers the cities of Chesapeake, Norfolk, Portsmouth, Suffolk, and Virginia Beach, Virginia and the county of Currituck, North Carolina.

5/ The Northern Virginia Metropolitan Area covers the cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park and the counties of Arlington, Fairfax, Loudoun, and Prince William.

6/ The Petersburg-Colonial Heights-Hopewell Standard Metropolitan Statistical Area covers the cities of Petersburg, Colonial Heights, and Hopewell and the counties of Dinwiddie and Prince George.

7/ The Richmond Standard Metropolitan Statistical Area covers the city of Richmond and the counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, and Powhatan.

8/ The Roanoke Standard Metropolitan Statistical Area covers the cities of Roanoke and Salem and the counties of Botetourt, Craig, and Roanoke.

DIVISION OF

VOLUNTARY SAFETY COMPLIANCE AND TRAINING

The Division of Voluntary Safety Compliance and Training is charged with performing training and safety consultation services as outlined in Sections 7(c) (1) and 18 (b) of Public law 91-596, the Occupationai Safety and Health Act of 1970.

The primary mission of the Division is to avert accidents and injuries at Virginia workplaces through a program of free on-site consultations with employers who wish to comply voluntarily with Virginia's occupational safety standards, and through free safety training courses for employees. The following data reflect the Division's activities during the previous biennium:

ANALYSIS OF ACTIVITIES OF THE
VOLUNTARY SAFETY COMPLIANCE AND TRAINING DIVISION
1982 and 1983

	1982	1983
Consultative Surveys	369	306
Consultative Assistance	296	334
Safety Hazards Noted	3,602	2,451
Serious Hazards Abated	770	680
Conferences (other than during Consultative Surveys)	593	435
Safety Courses (Construction and Industrial)	40	61
Demonstrations/Safety Talks	149	160
Loan of 290 Safety Films by the Richmond Office	2,940	2,852

DIVISION OF

RESEARCH AND STATISTICS

The Division of Research and Statistics is charged with the responsibility of performing certain research and statistical functions outlined in Title 40 of the Virginia Code and, pursuant to a 1970 agreement with the U.S. Department of Labor, Public Law 91-596. The primary mission of the Division is to serve in a support role to the Department as a whole, collecting, analyzing, and compiling data on incidences and causes of occupational injuries, illnesses, and fatalities, and other information necessary for the administration of the state's occupational safety program. The Division also compiles data on food prices; mining and quarrying activities in the state; employment, hours and earnings; and assists the Department's other divisions in analyzing and compiling information in their specialized areas. The following tables summarize the Division's statistical findings during the previous biennium:

PERCENT DISTRIBUTIONS OF REPORTED WORKERS' COMPENSATION CASES OCCURRING IN 1982, 1/
BY ACCIDENT TYPE, INDUSTRY GROUP, AND OCCUPATION OR WORKER, VIRGINIA

Industry group or Occupation	Accident type						
	Total	Struck by object 2/	Overexertion	Fall	Bodily reaction	Caught in 3/	Other
Total -- Private and Nonfederal public sectors	100.0	27.2	27.1	17.9	8.0	6.8	13.0
Private sector	100.0	28.1	27.2	17.4	7.4	7.2	12.7
Agriculture, forestry, and fishing	100.0	32.7	13.3	23.4	6.9	8.5	15.2
Goods-producing, nonagricultural private-sector	100.0	30.2	27.0	14.8	7.1	9.1	11.8
Mining	100.0	42.5	23.0	7.6	5.5	10.4	11.0
Construction	100.0	28.8	24.7	21.4	6.7	5.7	12.7
Manufacturing	100.0	27.9	29.5	12.5	7.8	10.9	11.4
Durable goods	100.0	32.4	27.8	11.2	6.3	11.2	11.1
Nondurable goods	100.0	24.1	31.0	13.6	9.0	10.6	11.7
Service-producing, nonagricultural private-sector	100.0	25.7	28.0	19.7	7.7	5.2	13.7
Transportation and public utilities	100.0	18.4	26.8	19.4	9.7	5.2	20.5
Wholesale trade	100.0	26.3	30.2	17.2	7.1	7.8	11.4
Retail trade	100.0	30.6	26.9	19.7	7.0	4.4	11.4
Finance, insurance, and real estate	100.0	18.7	24.1	25.3	10.5	5.8	15.6
Services	100.0	24.6	29.5	20.1	7.4	4.8	13.4
State and local government	100.0	21.1	26.3	20.9	11.8	4.3	15.6
State government	100.0	22.0	31.2	19.7	10.4	4.6	12.1
Local government	100.0	20.5	23.5	21.6	12.5	4.2	17.7
Total -- All occupations	100.0	27.2	27.1	17.9	8.0	6.8	13.0
Professional, technical, and kindred workers	100.0	24.3	21.7	23.9	12.3	3.8	14.0
Managers and administrators, except farm	100.0	23.4	31.2	22.3	7.2	3.5	12.4
Salesworkers	100.0	19.0	26.3	27.4	8.4	2.6	16.3
Clerical and kindred workers	100.0	19.1	29.3	27.8	10.6	4.3	8.9
Craftsmen and kindred workers	100.0	29.8	23.7	17.0	8.4	7.0	14.1
Operatives, except transport	100.0	31.3	29.5	11.6	7.2	10.1	10.3
Transport equipment operatives	100.0	15.6	26.9	20.1	9.3	5.2	22.9 4/
Laborers, except farm	100.0	30.1	29.9	14.8	5.8	9.5	9.9
Farm workers, all classifications	100.0	29.3	14.0	26.7	7.3	10.7	12.0
Service workers, except private household	100.0	26.5	26.1	21.1	8.7	3.0	14.6

1/ The 12,878 Supplementary Data System (SDS) cases studied were almost a one-third sample of about 40,000 cases established by the Industrial Commission of Virginia.

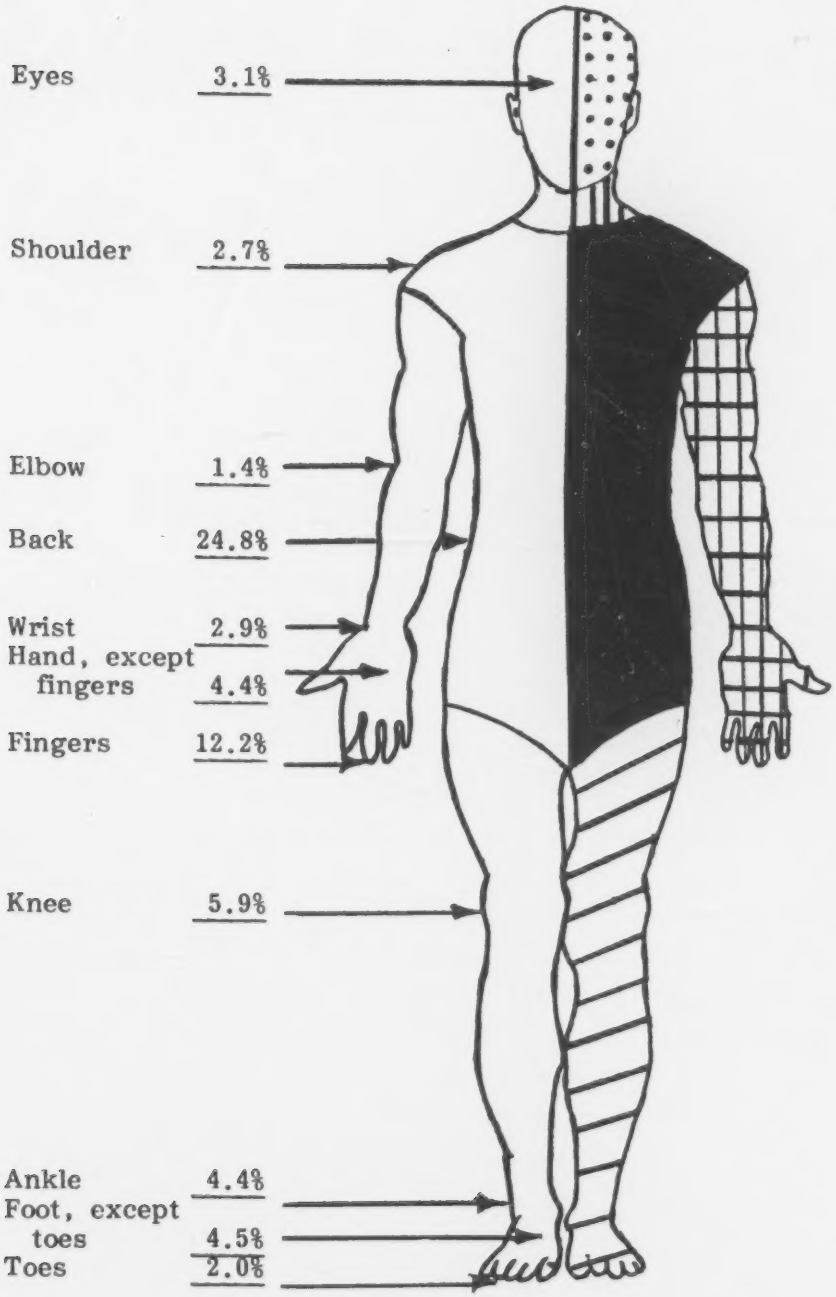
2/ Struck by object includes struck against.

3/ Caught in includes caught between and caught under.

4/ Motor - vehicle accidents accounted for 18.7 percent of accidents to transport equipment operatives.

SOURCE: Supplementary Data System, Virginia Department of Labor and Industry in cooperation with the U. S. Department of Labor, Bureau of Labor Statistics

Virginia: Parts of Body Affected - Percent Distribution of 38,634 Workers' Compensation Cases, All Workers - Reported Cases Which Occurred During 1982



Source: Supplementary Data System, Virginia Department of Labor and Industry, in cooperation with the Bureau of Labor Statistics, U. S. Department of Labor.

OCCUPATIONAL INJURY AND ILLNESS INCIDENCE RATES, BY INDUSTRY, VIRGINIA, 1980-1982

Industry and year 1/	Incidence rates per 100 full-time workers 2/			
	Total cases 3/	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Total 4/, 6/				
1980	8.1	3.9	4.2	59.2
1981	7.6	3.6	4.0	62.7
1982	7.0	3.3	3.7	51.2
Private Sector 4/				
1980	8.1	3.9	4.2	60.3
1981	7.6	3.6	4.0	64.4
1982	6.8	3.2	3.6	50.9
Agriculture, Forestry, and Fishing 4/				
1980	7.2	4.0	3.2	64.0
1981	7.8	4.0	3.7	58.1
1982	8.4	4.6	3.8	63.1
Goods-Producing, Nonagricultural Private-Sector				
1980	12.4	5.7	6.6	94.2
1981	11.6	5.2	6.3	86.6
1982	10.1	4.4	5.7	74.9
Mining 5/				
1980	12.3	10.1	2.1	265.9
1981	10.2	8.2	1.9	203.0
1982	8.5	7.0	1.4	179.9
Construction				
1980	15.8	7.2	8.6	129.4
1981	14.9	6.5	8.3	118.0
1982	14.3	6.3	8.0	113.9
Manufacturing				
1980	11.5	5.1	6.4	75.5
1981	10.9	4.8	6.0	72.8
1982	9.2	3.8	5.4	61.1
Manufacturing Durable Goods				
1980	13.4	5.9	7.5	90.5
1981	13.1	5.8	7.3	86.5
1982	11.3	4.6	6.7	75.1
Manufacturing Non-Durable Goods				
1980	9.6	4.4	5.2	62.0
1981	8.7	3.9	4.8	59.5
1982	7.4	3.2	4.2	49.1
Service-Producing, Nonagricultural Private-Sector				
1980	5.4	2.7	2.7	40.0
1981	5.3	2.6	2.7	51.9
1982	5.1	2.5	2.6	38.1
Transportation and Public Utilities 5/				
1980	8.2	5.0	3.2	95.5
1981	7.2	4.3	2.9	90.1
1982	6.9	3.9	3.0	77.0
Wholesale and Retail Trade				
1980	6.9	3.1	3.8	46.5
1981	6.9	3.1	3.8	63.2
1982	6.4	3.0	3.4	40.1

OCCUPATIONAL INJURY AND ILLNESS INCIDENCE RATES, BY INDUSTRY, VIRGINIA, 1980-1982 (continued)

Industry and year 1/	Incidence rates per 100 full-time workers 2/			
	Total cases 3/	Lost workday cases	Nonfatal cases without lost workdays	Lost workdays
Wholesale Trade				
1980	7.4	3.8	3.6	44.7
1981	7.0	3.5	3.5	62.4
1982	6.4	3.5	2.9	43.2
Retail Trade				
1980	6.6	2.8	3.8	47.1
1981	6.8	3.0	3.8	63.5
1982	6.4	2.8	3.6	39.0
Finance, Insurance, and Real Estate				
1980	2.7	1.5	1.2	13.8
1981	1.9	1.1	0.8	32.7
1982	1.9	0.7	1.2	8.7
Services				
1980	3.5	1.8	1.7	21.1
1981	3.8	1.8	1.9	32.1
1982	3.8	2.0	1.8	31.2
Public Sector 6/				
1980 State and local	8.4	4.0	4.4	53.9
1981 Government	7.9	3.9	4.0	53.1
1982	8.0	4.1	3.9	53.0
State Government				
1980	7.6	3.1	4.5	48.7
1981	8.4	3.9	4.5	60.9
1982	7.6	3.7	3.9	54.5
Local Government				
1980	8.8	4.5	4.3	56.4
1981	7.8	4.0	3.8	49.2
1982	8.2	4.3	3.9	52.2

1/ Standard Industrial Classification Manual, 1972 edition, 1977 supplement, was used to classify establishments according to industry.

2/ The incidence rates represent the number of injuries and illnesses or lost workdays per 100 full-time workers, and were calculated as:
(N/EH) x 200,000, where
N = number of injuries and illnesses or lost workdays
EH = total hours worked by all employees during the calendar year
200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

3/ Fatalities are included. Because of rounding, the fatality rate is not reflected by the difference between the total and the sum of the rates for lost workday cases and nonfatal cases without lost workdays.

4/ Farms with fewer than 11 employees are excluded.

5/ The Mine Safety and Health Administration, U.S. Department of Labor, provided data for mining establishments other than one major group, oil and gas extraction (SIC 13). The Federal Railroad Administration, U.S. Department of Transportation, provided railroad data (SIC 40).

6/ Federal government employees are excluded. They are covered in a separate reporting system.

SOURCE: The Virginia Department of Labor and Industry in cooperation with the U.S. Department of Labor, Bureau of Labor Statistics.

OCCUPATIONAL INJURY AND ILLNESS INCIDENCE RATES, BY INDUSTRY, VIRGINIA, 1981 AND 1982

Industry 1/	SIC code 2/	1982 annual average employment (in thousands) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1981	1982	1981	1982	1981	1982	1981	1982
Total 6/, 8/		1,980.1	7.6	7.0	3.6	3.3	4.0	3.7	62.7	51.2
Private sector 6/		1,649.7	7.6	6.8	3.6	3.2	4.0	3.6	64.4	50.9
Agriculture, forestry, and fishing 6/		10.3	7.8	8.4	4.0	4.6	3.7	3.8	58.1	63.1
Agricultural production	01-02	n/a	8.0	9.7	3.8	5.3	4.3	4.4	56.7	59.9
Agricultural services	07	n/a	7.8	8.1	4.4	4.3	3.4	3.8	56.2	66.1
Goods-producing, nonagricultural private-sector		523.1	11.6	10.1	5.2	4.4	6.3	5.7	86.6	74.9
Mining 7/		22.1	10.2	8.5	8.2	7.0	1.9	1.4	203.0	179.9
Bituminous coal and lignite mining 7/	12	19.3	11.8	9.4	9.7	7.8	2.0	1.5	235.3	199.7
Nonmetallic minerals, except fuels 7/	14	n/a	3.5	2.3	2.2	1.6	1.3	.7	63.7	45.9
Construction		103.8	14.9	14.3	6.5	6.3	8.3	8.0	118.0	113.9
General building contractors	15	28.1	13.1	12.4	5.5	5.1	7.6	7.3	120.0	106.0
Residential building construction	152	n/a	7.5	8.8	3.4	3.7	4.1	5.1	110.9	86.2
Operative builders	153	n/a	11.5	-	4.5	-	7.0	-	103.8	-
Nonresidential building construction	154	n/a	18.2	16.0	7.5	6.4	10.7	9.6	131.3	121.7
Heavy construction contractors	16	17.9	16.3	16.4	7.2	7.2	9.0	9.2	122.2	125.9
Highway and street construction	161	n/a	12.0	12.5	4.6	6.0	7.3	6.4	94.0	134.3
Heavy construction, except highway	162	n/a	18.3	18.2	8.4	7.8	9.8	10.4	136.9	122.5
Special trade contractors	17	57.8	15.2	14.3	6.7	6.6	8.4	7.7	115.2	113.1
Plumbing, heating, air conditioning	171	n/a	15.9	15.9	6.6	6.5	9.1	9.4	121.1	94.3
Painting, paper hanging, decorating	172	n/a	-	7.7	-	3.1	-	4.6	-	89.6
Electrical work	173	n/a	15.4	14.8	5.1	5.7	10.3	9.1	72.1	95.1
Masonry, stonework, and plastering	174	n/a	15.3	14.9	7.5	7.3	7.7	7.6	121.6	122.8
Carpentering and flooring	175	n/a	13.5	10.4	5.9	6.9	7.6	3.5	86.3	85.9
Roofing and sheet metal work	176	n/a	20.8	20.8	11.5	11.2	9.3	9.6	179.0	261.8
Misc. special trade contractors	179	n/a	18.7	13.9	8.6	6.9	10.1	7.0	176.9	118.8
Manufacturing		397.2	10.9	9.2	4.8	3.8	6.0	5.4	72.8	61.1
Food and kindred products	20	39.9	14.3	13.3	6.8	6.5	7.4	6.8	106.9	106.9
Meat products	201	13.2	17.2	15.4	8.8	8.3	8.4	7.1	130.1	150.9
Preserved fruits and vegetables	203	3.4	14.4	-	6.2	-	8.1	-	108.9	-
Bakery products	205	4.7	10.6	11.7	4.6	5.9	6.0	5.8	82.2	106.2
Beverages	208	5.5	19.7	15.7	9.0	6.6	10.7	9.1	136.7	84.3
Misc. foods and kindred products	209	n/a	7.8	9.1	3.5	4.3	4.3	4.8	48.8	70.0
Tobacco manufactures	21	18.2	-	5.2	-	3.2	-	2.0	-	47.4
Textile mill products	22	42.9	7.3	6.0	2.9	2.3	4.4	3.7	42.8	33.3
Weaving mills, synthetics	222	n/a	6.1	5.1	2.2	1.0	3.9	4.1	24.7	21.6
Knitting mills	225	15.8	10.3	8.3	4.3	3.7	6.0	4.6	43.2	33.5
Textile finishing, except wool	226	3.9	6.9	-	2.5	-	4.4	-	53.5	-
Apparel and other textile products	23	31.0	7.2	6.5	2.4	1.9	4.8	4.6	31.3	27.4
Men's and boys' furnishings	232	n/a	8.8	8.3	3.3	2.8	5.6	5.5	44.4	34.5
Women's and misses' outerwear	233	n/a	7.0	6.2	1.9	1.6	5.1	4.6	20.0	16.1
Children's outerwear	236	n/a	5.5	6.0	2.0	1.5	3.5	4.5	40.7	44.1
Lumber and wood products	24	19.0	14.4	13.5	7.1	6.3	7.3	7.2	112.5	118.5
Sawmills and planing mills	242	n/a	15.7	15.9	7.8	7.4	7.8	8.5	148.5	162.8
Millwork, plywood, and structural members	243	4.8	14.0	10.9	7.2	4.7	6.8	6.2	94.6	60.6
Furniture and fixtures	25	23.4	10.6	8.2	4.1	3.0	6.5	5.2	58.8	43.3
Household furniture	251	n/a	10.0	7.5	3.8	2.6	6.1	4.9	54.3	41.7
Paper and allied products	26	14.6	9.8	8.7	4.3	3.5	5.5	5.2	72.1	55.0
Paperboard mills	263	n/a	6.8	5.8	2.3	1.7	4.5	4.1	50.5	44.0
Paperboard containers and boxes	265	3.8	10.8	9.2	5.5	3.8	5.3	5.4	61.3	54.9
Printing and publishing	27	23.8	7.5	7.7	3.2	2.9	4.3	4.8	33.2	37.4
Newspapers	271	n/a	6.5	8.1	2.6	3.2	3.7	4.9	28.9	43.8
Commercial printing	275	9.7	9.9	8.2	4.2	3.0	5.8	5.2	40.2	39.3
Chemicals and allied products	28	32.9	3.4	2.6	1.4	.9	2.0	1.7	26.7	15.3
Rubber and miscellaneous plastics products	30	n/a	11.8	9.7	6.5	4.6	5.3	5.1	104.3	76.8
Miscellaneous plastics products	307	6.3	12.4	9.5	5.0	3.5	7.4	6.0	64.1	54.5
Stone, clay, and glass products	32	11.6	13.3	13.8	6.1	7.0	7.2	6.8	104.2	103.8
Concrete, gypsum, and plaster products	327	6.0	12.7	11.3	5.9	6.3	6.7	5.0	116.6	79.1
Primary metal industries	33	10.6	12.5	9.8	6.3	4.8	6.2	5.0	101.8	57.2
Fabricated metal products	34	18.5	15.7	13.5	7.0	6.1	8.7	7.4	94.1	103.3
Fabricated structural metal products	344	11.6	17.5	12.4	8.6	6.2	8.9	6.2	108.6	100.8
Machinery, except electrical	35	15.0	16.4	11.1	6.2	4.2	10.3	6.9	67.9	50.5
Construction and related machinery	353	4.4	17.9	17.8	8.5	7.5	9.4	10.3	89.7	86.7
Electric and electronic equipment	36	36.4	5.9	5.8	2.2	2.3	3.8	3.5	35.5	34.7
Communication equipment	366	10.5	5.4	5.1	2.8	2.8	2.6	2.3	49.1	48.4
Instruments and related products	38	3.4	9.2	5.2	2.1	1.9	7.1	3.3	35.9	40.8
Services-producing, nonagricultural private-sector		1,116.3	5.3	5.1	2.6	2.5	2.7	2.6	51.9	38.1
Transportation and public utilities		119.0	7.2	6.9	4.3	3.9	2.9	3.0	90.1	77.0
Railroad transportation 7/	40	13.5	10.7	10.8	6.0	6.0	4.7	4.8	81.5	72.6
Local and interurban passenger transit	41	5.5	9.2	7.1	6.7	4.1	2.5	3.0	144.5	61.6
Trucking and warehousing	42	26.9	10.0	10.8	6.6	6.0	3.4	4.8	140.0	130.9
Water transportation	44	4.5	20.9	22.0	12.9	11.8	8.1	10.2	589.3	654.3
Transportation by air	45	12.4	11.9	9.8	6.7	6.8	5.2	3.0	108.7	99.0
Communication	48	33.8	1.7	1.3	.8	.7	.9	.6	15.9	9.2
Electric, gas, and sanitary services	49	18.5	5.9	5.0	3.1	2.1	2.8	2.9	52.7	35.7

OCCUPATIONAL INJURY AND ILLNESS INCIDENCE RATES, BY INDUSTRY, VIRGINIA, 1981 AND 1982 (continued)

Industry 1/	SIC code 2/	1982 annual average employment (in thousands) 3/	Incidence rates per 100 full-time workers 4/							
			Total cases 5/		Lost workday cases		Nonfatal cases without lost workdays		Lost workdays	
			1981	1982	1981	1982	1981	1982	1981	1982
Wholesale and retail trade		462.4	6.9	6.4	3.1	3.0	3.8	3.4	63.2	40.1
Wholesale trade		108.3	7.0	6.4	3.5	3.5	3.5	2.9	62.4	43.2
Wholesale trade - durable goods	50	66.7	5.6	5.7	2.9	2.9	2.7	2.8	65.3	32.7
Wholesale trade - nondurable goods	51	41.7	9.2	7.6	4.4	4.6	4.8	3.0	58.0	60.4
Retail trade		354.1	6.8	6.4	3.0	2.8	3.8	3.6	63.5	39.0
Building materials and garden supplies	52	12.8	8.1	8.7	3.9	3.8	4.2	4.9	89.7	59.9
General merchandise stores	53	55.8	8.5	7.8	3.9	3.2	4.6	4.6	61.3	45.5
Food stores	54	58.1	8.6	8.0	3.9	3.8	4.7	4.2	147.4	53.5
Automotive dealers and service stations	55	43.0	6.5	7.6	2.5	3.0	4.0	4.6	58.3	36.9
Apparel and accessory stores	56	19.9	1.4	1.4	.6	.5	.8	.9	15.6	8.3
Furniture and home furnishings stores	57	16.7	5.0	5.2	1.8	3.2	3.3	2.0	39.3	36.6
Eating and drinking places	58	101.5	7.7	6.7	3.0	2.9	4.7	3.8	31.5	39.1
Miscellaneous retail	59	46.1	4.3	3.3	2.4	1.4	1.9	1.9	46.0	22.9
Finance, insurance, and real estate		106.9	1.9	1.9	1.1	.7	.8	1.2	32.7	8.7
Banking	60	33.8	1.3	1.1	.7	.4	.6	.7	4.3	3.9
Credit agencies other than banks	61	12.3	.7	.6	.4	.4	.3	.2	4.3	7.0
Insurance carriers	63	20.3	1.9	1.6	1.4	.2	.5	1.4	118.2	1.7
Insurance agents, brokers, and service	64	8.5	.3	.3	.1	.1	.2	.2	.4	4.0
Real estate	65	26.0	3.7	4.7	1.9	2.2	1.8	2.5	32.1	24.2
Services		428.0	3.8	3.8	1.8	2.0	1.9	1.8	32.1	31.2
Hotels and other lodging places	70	33.2	7.2	6.7	2.7	2.5	4.5	4.2	34.6	33.5
Personal services	72	25.2	1.5	2.3	.7	1.1	.8	1.2	13.2	9.4
Business services	73	91.9	2.7	3.1	1.3	1.7	1.4	1.4	22.4	42.2
Auto repair, services, and garages	75	12.5	7.2	6.0	3.2	2.1	4.0	3.9	257.8	32.5
Miscellaneous repair services	76	5.7	9.3	6.4	3.3	2.8	6.0	3.6	36.8	31.5
Amusement and recreation services	79	14.0	5.5	10.8	2.1	4.6	3.4	6.2	46.7	51.1
Health Services	80	116.0	5.1	4.5	3.0	2.9	2.1	1.6	39.0	38.8
Legal services	81	11.0	*	.3	-	.1	-	.2	-	1.3
Educational services	82	21.9	2.7	3.4	.8	1.3	1.9	2.1	6.3	15.4
Social services	83	20.2	3.8	6.1	1.5	2.8	2.3	3.3	15.7	42.4
Membership organizations	86	40.0	1.9	1.9	1.0	.9	.9	1.0	7.1	11.7
Miscellaneous services	89	29.1	1.1	1.2	.6	.4	.5	.8	6.0	20.4
Government 8/		330.4	7.9	8.0	3.9	4.1	4.0	3.9	53.1	53.0
State		120.9	8.4	7.6	3.9	3.7	4.5	3.9	60.9	54.5
Local		218.5	7.8	8.2	4.0	4.3	3.8	3.9	49.2	52.2

1/ Totals for divisions and 2- and 3- digit SIC codes include data for industries not shown separately.

2/ Standard Industrial Classification Manual, 1972 Edition, 1977 Supplement.

3/ Annual average employment for nonagricultural industries is based on the employment and earnings survey conducted by the Bureau of Labor Statistics, in cooperation with the State agencies. The employment estimate for the services division is adjusted to exclude the employment for the nonfarm portion of agricultural services. Annual average employment for the agriculture, forestry, and fishing division is a composite of data from the employment and earnings survey and the Annual Survey of Occupational Injuries and Illnesses, Bureau of Labor Statistics.

4/ The incidence rates represent the number of injuries and illnesses or lost workdays per 100 full-time workers, and were calculated as: (N/EH) X 200,000, where
N = number of injuries and illnesses or lost workdays
EH = total hours worked by all employees during calendar year
200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

5/ Fatalities are included. Because of rounding, the fatality rate is not reflected by the difference between the total and the sum of the rates for lost workday cases and nonfatal cases without lost workdays.

6/ Farms with fewer than 11 employees are excluded.

7/ The Mine Safety and Health Administration, U. S. Department of Labor, provided data for coal and lignite mining (SIC 12) and metal and nonmetal mining (SIC 10 and 14). The Federal Railroad Administration, U. S. Department of Transportation, provided railroad data (SIC 40).

8/ Agencies of the Federal government are excluded. They are covered in a separate reporting system.

NOTE: Dashes indicate data that do not meet publication guidelines.
n/a = data not available.
* = incidence rate less than .05

SOURCE: The Virginia Department of Labor and Industry in cooperation with the U. S. Department of Labor, Bureau of Labor Statistics.

ESTIMATED EMPLOYMENT IN VIRGINIA NONAGRICULTURAL ESTABLISHMENTS, BY MAJOR INDUSTRY DIVISIONS

ANNUAL AVERAGES 1980 - 1983

INDUSTRY GROUP	EMPLOYMENT (In Thousands of Employees) 1980	1981	1982	1983	Percent Change From 1980 - 1983
NONAGRICULTURAL	2,157.2	2,160.8	2,146.4	2,195.5	1.78
MANUFACTURING	413.8	414.0	397.2	400.3	-3.26
Durable Goods	189.1	189.4	178.3	181.6	-3.97
Lumber and Wood Products	22.2	21.6	19.0	20.9	-5.86
Millwork, Plywood and Structural Members	5.5	5.6	4.8	5.6	1.82
Wood Containers	1.8	1.8	1.6	1.6	-11.11
Wood Buildings and Mobile Homes	2.5	2.2	1.7	2.2	-12.00
Miscellaneous Wood Products	2.4	2.4	2.3	2.2	-8.33
Furniture and Fixtures	25.8	25.7	23.4	23.2	-10.08
Household and Office Furniture	24.5	24.4	22.3	22.1	-9.80
Stone, Clay and Glass Products	13.0	12.9	11.6	12.2	-6.15
Structural Clay Products	.8	.7	.5	.6	-25.00
Concrete, Gypsum, and Plaster Products	7.1	6.9	6.0	5.6	-21.13
Glass and Glass Products	2.0	2.1	2.1	2.1	5.00
Primary Metal Industries	12.6	12.0	10.6	10.2	-19.05
Fabricated Metal Products	20.3	19.9	18.5	18.3	-9.85
Fabricated Structural Metal Products	13.1	12.6	11.6	11.4	-12.98
Machinery, except Electrical	15.4	15.7	15.0	12.9	-16.23
Construction and Related Machinery	5.1	5.1	4.4	3.1	-39.22
Special Industry Machinery	1.8	1.9	1.8	1.6	-11.11
Refrigeration and Service Machinery	1.9	2.0	2.0	1.9	0.00
Electric and Electronic Equipment	35.2	36.5	36.4	37.5	6.53
Communication Equipment	10.4	10.1	10.5	12.1	16.35
Electronic Components and Accessories	5.9	6.3	6.9	7.5	27.12
Transportation Equipment	38.2	38.7	37.9	40.3	5.50
Instruments and Related Products	3.7	3.8	3.4	3.4	-8.11
Miscellaneous Manufacturing Industries	2.7	2.7	2.6	2.8	3.70
Nondurable Goods	224.7	224.5	218.9	218.7	-2.67
Food and Kindred Products	41.0	40.4	39.9	38.8	-5.37
Meat Products	14.0	13.5	13.2	12.6	-10.00
Dairy Products	2.4	2.5	2.5	2.5	4.17
Preserved Fruits and Vegetables	3.9	3.6	3.4	3.5	-10.26
Bakery Products	4.8	4.8	4.7	4.7	-2.08
Beverages	5.4	5.5	5.5	5.4	0.00
Tobacco Manufactures	17.7	18.5	18.2	16.9	-4.52
Cigarettes	15.1	15.7	15.7	14.6	-3.31
Cigars and Chewing and Smoking Tobacco	.4	.5	.3	.4	0.00
Tobacco Stemming and Redrying	2.2	2.3	2.2	1.9	-13.64
Textile Mill Products	44.6	44.6	42.9	43.4	-2.69
Weaving Mills, Cotton, Synthetics and Wool	19.5	19.0	17.6	17.1	-12.31
Narrow Fabric Mills	.9	.9	.7	.8	-11.11
Knitting Mills	13.8	14.6	15.8	16.9	22.46
Textile Finishing, except Wool	5.1	4.7	3.9	3.6	-29.41
Yarn and Thread Mills	2.5	2.5	2.4	2.6	4.00
Miscellaneous Textile Goods	1.2	1.2	1.2	1.2	0.00
Apparel and Other Textile Mill Products	34.3	32.7	31.0	31.1	-9.33
Men's and Boys' Suits, Coats and Furnishings	12.8	11.5	10.4	10.5	-17.97
Women's and Children's Outerwear and Undergarments	18.0	18.0	17.0	16.8	-6.67
Miscellaneous Fabricated Textile Products	1.7	1.6	1.8	1.9	11.76
Paper and Allied Products	15.0	15.3	14.6	14.7	-2.00
Pulp, Paper and Paperboard Mills	8.0	8.0	7.7	7.7	-3.75
Miscellaneous Converted Paper and Paperboard Products, Containers and Boxes	6.6	6.9	6.4	6.5	-1.52
Miscellaneous Converted Paper Products	2.8	2.9	2.8	2.8	0.00
Paperboard Containers and Boxes	3.8	3.9	3.7	3.7	-2.63
Printing and Publishing	22.4	23.3	23.8	25.2	12.50
Newspapers and Periodicals	8.4	8.5	8.7	9.3	10.71
Commercial Printing	8.8	9.4	9.7	10.3	17.05
Chemicals and Allied Products	34.2	33.9	32.9	32.4	-5.26
Industrial Inorganic Chemicals	.9	1.0	1.3	1.3	44.44
Plastics Materials and Synthetics	21.4	20.8	19.7	19.1	-10.75
Drugs	3.0	3.2	3.4	3.4	13.33
Agricultural Chemicals	1.4	1.2	.9	.8	-42.86
Miscellaneous Chemical Products	3.8	4.2	4.3	4.6	21.05
Petroleum, Rubber and Misc. Plastics Products	11.9	12.3	12.1	12.9	8.40
Miscellaneous Plastics Products	5.8	6.2	6.3	7.0	20.69
Rubber and Rubber Products	5.7	5.7	5.4	5.5	-3.51
Leather and Leather Products	3.6	3.7	3.5	3.4	-5.56
NONMANUFACTURING	1,743.4	1,746.8	1,749.2	1,795.2	2.97
Mining	22.7	21.7	22.1	17.5	-22.91
Bituminous Coal and Lignite Mining	19.4	18.6	19.3	14.9	-23.20
Construction	128.3	116.3	103.8	112.7	-12.16
General Building Contractors	38.9	32.9	28.1	30.0	-22.88
Heavy Construction Contractors	23.8	20.5	17.9	19.0	-20.17
Special Trade Contractors	65.6	62.8	57.8	63.7	-2.90

ESTIMATED EMPLOYMENT IN VIRGINIA NONAGRICULTURAL ESTABLISHMENTS (CONTINUED)

INDUSTRY GROUP	EMPLOYMENT (In Thousands of Employees) 1980	1981	1982	1983	Percent Change From 1980 - 1983
Transportation and Public Utilities	115.8	117.6	119.0	119.2	2.94
Railroad Transportation	14.0	13.5	13.5	13.0	-7.14
Local and Interurban Passenger Transit	5.9	5.8	5.5	5.7	-3.39
Trucking and Warehousing	28.2	27.9	26.9	26.8	-4.96
Water Transportation	5.1	4.8	4.5	4.6	-9.80
Transportation by Air	12.1	12.0	12.4	13.4	10.74
Pipelines, except Natural Gas	.1	.1	.1	.1	0.00
Transportation Services	3.4	3.4	3.8	3.6	5.88
Communication	30.6	32.6	33.8	33.4	9.15
Electric, Gas and Sanitary Services	16.4	17.5	18.5	18.6	13.41
Wholesale and Retail Trade	451.2	460.4	462.4	475.6	5.41
Wholesale Trade	105.3	108.3	108.3	108.8	3.32
Wholesale Trade-Durable Goods	64.4	65.7	66.7	67.9	5.43
Wholesale Trade-Nondurable Goods	40.9	42.6	41.7	40.9	0.00
Retail Trade	345.9	352.1	354.1	366.8	6.04
Building Materials and Garden Supplies	13.4	13.4	12.8	13.4	0.00
General Merchandise Stores	56.6	56.9	55.8	53.8	-4.95
Food Stores	55.6	57.7	58.1	60.9	9.53
Automotive Dealers and Service Stations	44.3	43.4	43.0	45.0	1.58
Apparel and Accessory Stores	19.4	20.1	19.9	20.2	4.12
Furniture and Home Furnishings Stores	16.6	16.6	16.7	18.1	9.04
Eating and Drinking Places	94.4	97.9	101.5	107.5	13.88
Miscellaneous Retail	45.6	46.1	46.1	48.0	5.26
Finance, Insurance and Real Estate	105.9	106.1	106.9	109.7	3.59
Banking	33.4	33.8	33.8	33.2	-0.60
Credit Agencies other than Banks	12.2	11.9	12.3	13.4	9.84
Security, Commodity Brokers & Services	2.3	2.7	2.9	3.2	39.13
Insurance Carriers	20.1	20.2	20.3	20.7	2.99
Insurance Agents, Brokers and Services	8.4	8.5	8.5	8.5	1.19
Real Estate	26.4	26.4	26.0	27.0	2.27
Combination of Real Estate, Insurance, Etc.	.2	.1	.1	.1	-50.00
Holding & Other Investment Offices	N/A	N/A	N/A	N/A	N/A
Services	408.3	418.3	434.8	457.5	12.05
Hotels and Other Lodging Places	30.4	31.7	33.2	33.9	11.51
Personal Services	24.5	24.4	25.2	26.8	9.39
Business Services	84.3	84.5	91.9	102.5	21.59
Automobile Repair, Services and Garages	12.0	12.0	12.5	13.1	9.17
Miscellaneous Repair Services	6.0	5.6	5.7	5.9	-1.67
Motion Pictures	3.0	3.0	3.2	3.2	6.67
Amusement and Recreation Services	14.5	14.6	14.0	14.3	-1.38
Health Services	105.2	110.9	116.0	119.2	13.31
Legal Services	10.3	10.7	11.0	11.2	8.74
Educational Services	21.0	22.0	21.9	23.4	11.43
Social Services	20.1	20.9	20.2	21.3	5.97
Museums, Botanical, Zoological Gardens	2.1	2.0	2.1	1.9	-9.52
Membership Organizations	41.2	39.2	40.0	39.7	-3.64
Miscellaneous Services	26.2	28.4	29.1	31.7	20.99
Agricultural Services	7.5	7.4	6.8	7.6	1.33
Government	511.2	506.6	500.1	503.1	-1.58
Federal Government	156.4	156.7	160.7	162.5	3.90
Department of Defense	106.3	100.2	104.0	104.9	-1.32
Defense Medical & V. A. Hospitals	7.0	7.0	6.8	7.1	1.43
Postal Service	13.9	14.0	14.2	14.3	2.88
Other Agencies	29.2	35.5	35.7	36.3	24.32
State and Local Government	354.8	349.9	330.4	340.6	-4.00
State Government	121.4	123.2	120.9	119.9	-1.24
Education	52.7	55.9	55.1	54.7	3.80
General	68.7	67.3	65.9	65.2	-5.09
Local Government	233.4	226.7	218.5	220.7	-5.44
Education	132.4	132.4	129.3	130.5	-1.44
General	101.0	94.3	89.2	90.2	-10.69

Estimates include all full-time and part-time wage and salary workers who worked during or received pay for the pay period including the twelfth of the month. Self-employed persons are excluded. Employment series have been adjusted to 1st Qtr. 1983 benchmark levels. Industrial classification structure is in accordance with 1972 Standard Industrial Classification Manual.

NOTE: Detail may not add to totals due to rounding.

ESTIMATED FEMALE EMPLOYMENT IN
NONAGRICULTURAL INDUSTRIES IN VIRGINIA

ANNUAL AVERAGES 1980 - 1983

INDUSTRY GROUP	EMPLOYMENT (In Thousands of Employees) 1980	1981	1982	1983	Percent Change From 1980 - 1983
NONAGRICULTURAL	903.9	928.2	950.8	977.1	8.10
MANUFACTURING	146.8	147.0	143.2	142.6	-2.86
Durable Goods	46.1	47.4	46.9	48.3	4.77
Lumber and Wood Products	4.0	3.8	3.4	4.0	0.00
Furniture and Fixtures	9.0	9.4	9.2	8.8	-2.22
Stone, Clay and Glass Products	1.6	1.6	1.7	1.8	12.50
Primary Metal Industries	1.9	1.8	1.7	2.2	15.79
Fabricated Metal Products	3.5	3.5	3.6	3.8	8.57
Machinery, except Electrical	2.4	2.6	2.6	2.3	-4.17
Electric and Electronic Equipment	15.5	16.2	16.3	16.5	6.45
Transportation Equipment	5.5	5.6	5.6	5.9	7.27
Instruments and Related Products	1.6	1.7	1.7	1.9	18.75
Miscellaneous Manufacturing Industries	1.1	1.2	1.1	1.1	0.00
Nondurable Goods	100.7	99.6	96.3	94.3	-6.36
Food and Kindred Products	15.4	15.0	15.2	14.2	-7.79
Tobacco Manufactures	5.8	6.1	5.0	3.0	-48.28
Textile Mill Products	24.2	24.2	23.3	24.2	0.00
Apparel and Other Textile Products	30.7	29.3	28.4	27.7	-9.77
Paper and Allied Products	2.7	2.7	2.5	2.7	0.00
Printing and Publishing	7.8	8.1	8.7	8.7	11.54
Chemicals and Allied Products	8.8	8.9	8.5	8.7	-1.14
Petroleum, Rubber and Misc. Plastics Products	2.6	2.7	2.4	2.6	0.00
Leather and Leather Products	2.7	2.6	2.4	2.5	-7.41
NONMANUFACTURING	757.1	781.2	807.6	834.4	10.21
Mining	.8	.9	1.1	1.0	25.00
Bituminous Coal and Lignite Mining	.7	.8	.9	.8	14.29
Construction	8.6	9.1	8.6	9.4	9.30
Transportation and Public Utilities	28.8	30.7	32.6	33.6	16.67
Railroad Transportation	1.8	1.8	1.7	1.7	-5.56
Trucking and Warehousing	3.1	3.2	3.3	3.0	-3.23
Transportation by Air	4.3	4.6	5.2	5.3	23.26
Communication	14.4	15.4	15.9	16.0	11.11
Electric, Gas and Sanitary Services	3.5	3.8	4.2	4.3	22.86
Wholesale and Retail Trade	198.1	204.3	206.2	212.4	7.22
Wholesale Trade	23.9	25.9	26.9	27.0	12.97
Wholesale Trade-Durable Goods	14.5	15.6	16.2	16.3	12.41
Wholesale Trade-Nondurable Goods	9.4	10.3	10.8	10.7	13.83
Retail Trade	174.2	178.4	179.3	185.5	6.49
General Merchandise Stores	40.2	40.8	37.7	35.4	-11.94
Department Stores	30.3	32.3	30.0	28.0	-7.59
Variety Stores	8.9	7.4	6.7	6.6	-25.84
Food Stores	23.0	23.5	23.7	25.2	9.57
Automotive Dealers and Service Stations	8.4	8.6	9.1	9.7	15.48
Furniture and Home Furnishings Stores	5.4	5.7	5.9	6.6	22.22
Miscellaneous Retail	26.1	26.8	27.5	28.7	9.96
Finance, Insurance and Real Estate	60.7	61.7	62.3	64.3	5.93
Banking	24.1	24.3	24.6	24.5	1.66
Insurance Carriers	11.0	11.4	11.9	12.1	10.00
Real Estate	9.1	10.1	9.4	10.2	12.09
Services	224.0	235.3	246.7	259.9	16.03
Personal Services	14.8	15.5	16.2	17.8	20.27
Business Services	33.2	34.7	38.4	42.3	27.41
Automotive and Miscellaneous Repair Services	3.7	3.9	4.3	4.3	16.22
Health Services	85.0	90.5	95.1	98.1	15.41
Government	236.1	239.4	250.1	253.8	7.50
Federal Government	54.2	56.1	61.3	63.7	17.53
State and Local Government	181.9	183.3	188.8	190.1	4.51
State Government	60.6	59.1	58.4	58.9	-2.81
Local Government	121.3	124.2	130.4	131.3	8.24

Estimates include all full-time and part-time wage and salary workers who worked during or received pay for the pay period including the twelfth of the month. Self-employed persons are excluded. Employment series have been adjusted to 1st Qtr. 1983 benchmark levels. Industrial classification structure is in accordance with 1972 Standard Industrial Classification Manual.

NOTE: Detail may not add to totals due to rounding.

ESTIMATED NUMBER OF PRODUCTION WORKERS, HOURS AND GROSS EARNINGS OF THESE WORKERS IN SELECTED MANUFACTURING INDUSTRIES IN VIRGINIA

ANNUAL AVERAGES 1980 - 1983

	PRODUCTION WORKERS (In Thousands)				AVERAGE WEEKLY EARNINGS				AVERAGE WEEKLY HOURS				AVERAGE HOURLY EARNINGS			
	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983
MANUFACTURING	318.5	315.6	298.6	302.0	$244.45	$271.55	$283.01	$308.87	39.3	39.7	38.4	39.7	$ 6.22	$ 6.84	$ 7.37	$ 7.78
Durable Goods	143.6	142.2	130.8	132.2	248.52	277.02	289.38	315.87	39.7	40.5	39.0	40.6	6.26	6.84	7.42	7.78
Lumber and Wood Products	19.0	18.0	15.9	17.9	175.41	196.10	207.10	224.58	37.4	38.3	38.0	39.4	4.69	5.12	5.45	5.70
Furniture and Fixtures	21.8	21.8	19.8	19.7	163.78	177.79	171.99	193.04	38.0	38.4	35.1	38.0	4.31	4.63	4.90	5.08
Household and Office Furniture	20.8	20.7	19.0	19.0	162.11	177.33	169.82	192.15	37.7	38.3	34.8	37.9	4.30	4.63	4.88	5.07
Stone, Clay and Glass Products	10.2	10.1	8.9	9.5	229.94	253.49	264.88	289.98	40.2	40.3	38.5	40.5	5.72	6.29	6.88	7.16
Structural Clay Products	.7	.6	.4	.6	200.04	218.50	237.92	267.52	39.3	38.4	40.6	41.8	5.09	5.69	5.86	6.40
Glass and Glass Products	1.6	1.7	1.7	1.7	244.40	263.86	285.29	330.48	40.0	40.1	38.5	40.5	6.11	6.58	7.41	8.16
Primary Metal Industries	7.1	6.8	6.1	5.7	306.82	351.42	338.40	394.74	38.4	40.3	37.6	42.4	7.99	8.72	9.00	9.31
Fabricated Metal Products	13.6	13.1	11.5	11.3	303.55	330.40	345.02	356.81	40.8	41.3	40.4	40.5	7.44	8.00	8.54	8.81
Fabricated Structural Metal Products	7.7	7.2	6.0	5.7	300.77	317.43	320.90	334.53	41.6	42.1	41.3	41.3	7.23	7.54	7.77	8.10
Machinery, except Electrical	10.8	10.9	10.5	6.8	265.17	294.26	303.42	326.83	40.3	40.2	39.0	40.3	6.58	7.32	7.78	8.11
Construction and Related Machinery	3.1	3.1	2.7	1.8	262.64	293.78	296.40	330.04	39.2	39.7	38.0	40.2	6.70	7.40	7.80	8.21
Special Industry Machinery	1.2	1.2	1.0	.8	291.95	335.27	363.01	363.66	39.4	40.2	39.5	38.2	7.41	8.34	9.19	9.52
Refrigeration and Service Machinery	1.2	1.3	1.4	1.4	277.10	304.83	296.84	309.52	42.5	43.3	41.0	42.4	6.52	7.04	7.24	7.30
Electric and Electronic Equipment	23.6	24.0	22.1	20.6	252.17	279.79	292.60	325.61	39.9	40.2	38.5	40.1	6.32	6.96	7.60	8.12
Communication Equipment	6.7	6.2	6.1	6.5	273.20	300.99	312.66	342.95	40.0	39.5	38.6	40.3	6.83	7.62	8.10	8.51
Transportation Equipment	32.8	33.0	32.0	34.1	1/	1/	1/	1/	1/	1/	1/	1/	1/	1/	1/	1/
Instruments and Related Products	2.5	2.5	2.1	2.4	210.14 2/	193.11 1/	205.30 1/	231.28 1/	39.5 1/	38.7 1/	37.6 1/	39.2 1/	5.32 2/	4.99 1/	5.46 1/	5.90 1/
Miscellaneous Manufacturing Industries	2.2	2.5	2.1	2.3	201.32	218.12	219.56	254.41	37.7	38.2	35.7	39.2	5.34	5.71	6.15	6.49
Nondurable Goods	174.9	173.4	167.8	169.8	241.64	267.84	277.43	303.81	39.1	39.1	37.9	39.0	6.18	6.85	7.32	7.79
Food and Kindred Products	30.7	30.2	30.0	28.9	216.02	240.38	257.28	271.05	37.7	38.4	38.4	39.0	5.73	6.26	6.70	6.95
Tobacco Manufactures	12.9	13.1	12.6	12.0	363.61	392.36	414.40	469.20	38.6	37.8	37.3	37.9	9.94	10.38	11.11	12.38
Cigarettes	11.0	11.1	11.0	10.4	388.55	421.01	435.34	500.35	38.7	38.1	37.4	38.4	10.04	11.05	11.64	13.03
Textile Mill Products	39.7	39.6	37.3	39.0	201.90	215.03	211.68	236.23	40.3	39.6	36.0	38.6	5.01	5.43	5.88	6.12
Weaving Mills, Cotton, Synthetics and Wool	17.2	16.7	15.4	15.0	222.49	237.48	233.53	259.61	41.9	41.3	38.6	40.5	5.31	5.75	6.05	6.41
Knitting Mills	12.8	13.4	13.8	15.6	176.78	187.88	183.43	210.27	38.1	37.5	31.9	35.7	4.64	5.01	5.75	5.89
Yarn and Thread Mills	2.2	2.2	2.1	2.4	172.94	193.44	195.67	232.27	40.5	41.6	38.9	41.7	4.27	4.65	5.03	5.57
Miscellaneous Textile Goods	1.0	1.0	.9	1.0	209.82	213.89	238.98	266.28	40.9	38.4	40.3	42.0	5.13	5.57	5.93	6.34
Apparel and Other Textile Products	30.9	29.5	28.7	28.5	149.14	161.19	164.83	176.66	36.2	35.9	35.6	36.5	4.12	4.49	4.63	4.84
Men's and Boys' Suits, Coats and Furnishings	11.6	10.5	9.8	9.7	154.40	164.57	173.45	195.08	36.5	34.5	34.9	37.3	4.23	4.77	4.97	5.23
Women's and Children's Outerwear and Undergarments	16.2	16.3	15.8	15.5	144.18	154.80	155.85	160.46	35.6	36.0	35.5	35.5	4.05	4.30	4.39	4.52
Paper and Allied Products	11.5	11.7	11.1	11.1	327.17	353.60	378.64	412.13	42.6	42.5	41.7	42.4	7.68	8.32	9.08	9.72
Pulp, Paper and Paperboard Mills	5.6	5.6	5.3	5.1	394.26	427.39	465.89	504.30	44.2	43.7	43.8	43.7	8.92	9.78	10.71	11.54
Miscellaneous Converted Paper and Paperboard Products, Containers	5.6	5.8	5.5	5.5	259.94	283.32	297.94	329.60	41.0	41.3	40.1	41.2	6.34	6.86	7.43	8.00
Printing and Publishing	13.3	14.0	14.5	15.4	285.35	321.34	324.86	348.23	38.2	38.3	38.4	38.1	7.47	8.39	8.46	9.14
Newspapers and Periodicals	3.0	3.0	3.0	3.3	254.14	257.28	278.85	286.62	35.2	33.5	34.9	33.8	7.22	7.68	7.99	8.48
Chemicals and Allied Products	23.3	22.7	21.5	22.0	323.42	363.21	386.51	423.74	41.2	41.7	40.9	41.1	7.85	8.71	9.45	10.31
Plastics Materials and Synthetics	15.6	15.3	14.5	14.1	329.62	376.74	393.66	433.01	41.1	42.0	40.5	41.2	8.02	8.97	9.72	10.51
Agricultural Chemicals	.8	.7	.6	.5	227.28	254.18	267.04	259.69	41.1	40.8	40.4	37.8	5.53	6.23	6.61	6.87
Petroleum, Rubber and Miscellaneous Plastics Products	9.3	9.4	9.1	9.9												
Leather and Leather Products	3.3	3.8	3.0	3.0	135.94 1/	146.15 1/	144.55 1/	149.53 1/	37.1 1/	37.0 1/	35.0 1/	35.1 1/	3.64 1/	3.95 1/	4.13 1/	4.26 1/

1/ Not available.

2/ Not comparable with data for prior years.

The industrial classification structure is in accordance with the 1972 Standard Industrial Classification Manual.

The hours and earnings series are based on reports of gross payroll and corresponding paid man-hours for production workers in the manufacturing industries. Average earnings are computed on a gross basis reflecting not only the changes in basic hourly and incentive wage rates, but such variable factors as premium pay for overtime, late shift work, etc. Average weekly hours are not scheduled hours, but represent the number of hours worked or paid for and are affected by such factors as absenteeism, turnover, overtime, etc.

Note: Detail may not add to totals because of rounding.

EMPLOYMENT IN THE BRISTOL, VIRGINIA AREA NONAGRICULTURAL ESTABLISHMENTS
BY MAJOR INDUSTRY DIVISIONS

ANNUAL AVERAGES 1980 - 1983

INDUSTRY GROUP	EMPLOYMENT (In Thousands of Employees) 1980	1981	1982	1983	Percent Change From 1980 - 1983
NONAGRICULTURAL	27.5	27.1	26.8	26.5	-3.64
MANUFACTURING	9.2	9.4	9.0	8.6	-6.52
Durable Goods	4.7	4.8	4.6	4.4	-6.38
Lumber and Wood Products and Furniture and Fixtures	.3	.2	.2	.2	-33.33
Stone, Clay and Glass Products	.3	.3	.3	.3	0.00
Primary Metal Ind. and Fabricated Metal Products	2.2	2.3	2.1	2.0	-9.09
Other Durable Goods 1/	1.9	2.0	2.0	2.0	5.26
Nondurable Goods	4.5	4.6	4.5	4.2	-6.67
Food and Kindred Products	1.7	1.8	1.7	1.5	-11.76
Textile Mill Products	.1	.1	.1	.1	0.00
Apparel and Other Textile Products	1.7	1.9	1.8	1.7	0.00
Paper and Allied Prod., Printing and Publishing	.5	.4	.4	.4	-20.00
Other Nondurable Goods 2/	.5	.4	.4	.5	0.00
NONMANUFACTURING	18.3	17.7	17.7	17.9	-2.19
Construction	1.1	.9	.9	.9	-18.18
General Building Contractors	.3	.3	.2	.2	-33.33
Heavy Construction Contractors	.3	.2	.2	.3	0.00
Special Trade Contractors	.5	.4	.4	.4	-20.00
Transportation Utilities	1.1	1.0	1.1	1.1	0.00
Trucking and Warehousing	.4	.4	.4	.5	25.00
Wholesale and Retail Trade	6.4	6.3	6.4	6.5	1.56
Wholesale Trade	1.3	1.4	1.4	1.4	7.69
Retail Trade	5.1	5.0	5.0	5.1	0.00
Building Materials and Farm Equipment	.3	.3	.2	.2	-33.33
General Merchandise Stores	.8	.7	.6	.6	-25.00
Food Stores	.9	1.0	1.0	1.1	22.22
Automotive Dealers and Service Stations	.7	.7	.7	.6	-14.29
Apparel and Accessory Stores	.3	.3	.3	.3	0.00
Furniture and Home Furnishings	.3	.3	.4	.3	0.00
Eating and Drinking Places	1.2	1.2	1.2	1.3	8.33
Miscellaneous Retail	.5	.6	.6	.7	40.00
Finance, Insurance and Real Estate	.9	.9	.9	.9	0.00
Banking	.4	.4	.4	.5	25.00
Services and Mining	3.5	3.5	3.5	3.5	0.00
Hotels and Other Lodging Places	.2	.2	.3	.3	50.00
Personal Services	.3	.3	.3	.3	0.00
Automotive Repair, Services, and Garages	.1	.1	.1	.1	0.00
Health Services	1.0	1.0	1.0	1.0	0.00
Educational Services	.4	.4	.4	.4	0.00
Membership Organizations	.5	.3	.3	.3	-40.00
Government	5.3	5.0	5.0	5.0	-5.66
Federal Government	.4	.5	.5	.5	25.00
State Government	1.4	1.4	1.3	1.3	-7.14
Local Government	3.5	3.1	3.1	3.2	-8.57

Estimates include all full-time and part-time wage and salary workers who worked during or received pay for the pay period including the twelfth of the month. Self-employed persons are excluded. Employment series have been adjusted to 1st Qtr. 1983 benchmark levels. Industrial classification structure is in accordance with 1972 Standard Industrial Classification Manual.

The Bristol, Virginia Metropolitan Area covers the city of Bristol and the counties of Scott and Washington.

1/ Includes machinery, except electric, electric and electronic equipment, transportation equipment, and instruments and related products.

2/ Includes tobacco manufactures, chemical and allied products, rubber and miscellaneous plastic products, and leather and leather products.

NOTE: Detail may not add to totals due to rounding.

EMPLOYMENT IN NONAGRICULTURAL ESTABLISHMENTS PETERSBURG - COLONIAL HEIGHTS - HOPEWELL AREA
BY MAJOR INDUSTRY DIVISIONS

ANNUAL AVERAGES 1980 - 1983

INDUSTRY GROUP	EMPLOYMENT (In Thousands of Employees) 1980	1981	1982	1983	Percent Change From 1980 - 1983
NONAGRICULTURAL	46.3	44.9	43.2	41.3	-10.80
MANUFACTURING	11.0	10.4	9.3	7.8	-29.09
Durable Goods	2.6	2.5	2.2	2.0	-23.08
Lumber and Wood Products and Furniture and Fixtures	.4	.5	.4	.4	0.00
Stone, Clay and Glass Products	.2	.2	.2	.2	0.00
Fabricated Metal Products	.2	.2	.1	.2	0.00
Other Durable Goods 1/	1.8	1.6	1.4	1.3	-27.78
Nondurable Goods	8.4	7.9	7.2	5.8	-30.95
Food and Kindred Products	.3	.3	.3	.3	0.00
Textile Mill Products and Apparel and Other Textile Products	.4	.4	.3	.3	-25.00
Chemicals and Allied Products	3.6	3.4	3.1	2.6	-27.78
Other Nondurable Goods 2/	4.1	3.8	3.5	2.6	-36.59
NONMANUFACTURING	35.3	34.5	33.9	33.5	-5.10
Construction	2.9	1.8	1.6	1.7	-41.38
General Building Contractors	1.6	.7	.7	.7	-56.25
Heavy Construction Contractors	.4	.3	.2	.3	-25.00
Special Trade Contractors	.9	.9	.7	.7	-22.22
Transportation and Public Utilities	1.4	1.3	1.3	1.2	-14.29
Wholesale and Retail Trade	8.5	8.6	8.1	8.2	-3.53
Wholesale Trade	1.3	1.2	1.1	1.1	-15.38
Retail Trade	7.2	7.5	7.0	7.1	-1.39
General Merchandise Stores	1.4	1.4	1.4	1.4	0.00
Food Stores	1.2	1.1	1.1	1.0	-16.67
Automotive Dealers and Service Stations	1.1	1.1	1.0	1.0	-9.09
Eating and Drinking Places	1.8	2.2	2.0	2.0	11.11
Miscellaneous Retail	.8	.8	.7	.7	-12.50
Finance, Insurance and Real Estate	1.3	1.2	1.2	1.2	-7.69
Services and Mining	6.2	6.8	7.1	7.0	12.90
Personal Services	.8	.7	.7	.7	-12.50
Health Services	2.3	2.5	2.7	2.8	21.74
Government	15.0	14.7	14.5	14.2	-5.33
Federal Government	5.6	5.6	5.1	4.8	-14.29
State and Local Government	9.4	9.1	9.4	9.4	0.00
State	3.5	3.5	3.4	3.4	-2.86
Local	5.9	5.6	6.0	6.0	1.69

Estimates include all full-time and part-time wage and salary workers who worked during or received pay for the pay period including the twelfth of the month. Self-employed persons are excluded. Employment series have been adjusted to 1st Qtr. 1983 benchmark levels. Industrial classification structure is in accordance with 1972 Standard Industrial Classification Manual.

The Petersburg-Colonial Heights-Hopewell Standard Metropolitan Statistical Area covers the cities of Colonial Heights, Hopewell, and Petersburg and the counties of Dinwiddie and Prince George.

1/ Includes primary metal industries, machinery, except electric, and electronic equipment, transportation equipment, instruments and related products, and miscellaneous manufacturing industries.

2/ Includes paper and allied products, printing and publishing, rubber and miscellaneous plastic products, and leather and leather products.

NOTE: Detail may not add to totals due to rounding.

ESTIMATED NUMBER OF PRODUCTION WORKERS AND HOURS AND GROSS EARNINGS OF THESE WORKERS IN SELECTED MANUFACTURING INDUSTRIES
ANNUAL AVERAGES 1980 - 1983

BRISTOL STANDARD METROPOLITAN STATISTICAL AREA

INDUSTRY GROUP	PRODUCTION WORKERS (In Thousands)				AVERAGE WEEKLY EARNINGS				AVERAGE WEEKLY HOURS				AVERAGE HOURLY EARNINGS			
	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983
MANUFACTURING	6.8	7.0	6.8	6.4	$206.07 1/	$228.09 1/	$237.44	$255.45	37.4	37.7	37.1	39.3	$ 5.51 1/	$ 6.05 1/	$ 6.40	$ 6.50
Durable Goods	3.6	3.6	3.6	3.6	250.90 1/	281.80 1/	293.38	316.99	39.7	40.2	38.4	41.6	6.32 1/	7.01 1/	7.64	7.62
Fabricated Metal Products	1.4	1.4	1.3	1.2	319.57 1/	328.75 1/	371.52	383.94	39.6	39.8	38.7	40.5	8.07 1/	8.26 1/	9.60	9.48
Machinery and Transportation Equipment	1.4	1.5	1.6	1.4	242.80	268.06	258.81	301.46	40.4	40.8	37.4	42.7	6.01	6.57	6.92	7.06
Nondurable Goods	3.2	3.3	3.2	3.0	156.25	169.05	176.49	188.05	34.8	35.0	35.8	36.8	4.49	4.83	4.93	5.11
Food and Kindred Products	.9	.9	.9	.7	185.36	191.48	196.35	209.42	34.2	34.5	35.0	37.0	5.42	5.55	5.61	5.66
Apparel and Other Textile Products	1.6	1.7	1.6	1.5	127.16	140.45	151.01	161.91	33.2	33.6	35.2	35.9	3.83	4.18	4.29	4.51

The Bristol, Virginia Metropolitan Area covers the city of Bristol and the counties of Scott and Washington.

1) Not comparable with data for prior years.

PETERSBURG STANDARD METROPOLITAN STATISTICAL AREA

INDUSTRY GROUP	PRODUCTION WORKERS (In Thousands)				AVERAGE WEEKLY EARNINGS				AVERAGE WEEKLY HOURS				AVERAGE HOURLY EARNINGS			
	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983
MANUFACTURING	8.8	8.1	7.2	5.9	$300.56	$335.16	$369.55	$396.41	39.6	39.2	38.9	39.8	$ 7.59	$ 8.55	$ 9.50	$ 9.96
Durable Goods	2.2	2.0	1.7	1.6	177.33	187.88 1/	196.47	212.91	38.3	38.5	37.0	38.5	4.63	4.88 1/	5.31	5.53
Lumber and Wood Products and Furniture and Fixtures	.4	.4	.3	.3	143.32	202.46 1/	203.68	229.82	35.3	40.9 1/	38.0	39.9	4.06	4.95 1/	5.36	5.76
Nondurable Goods	6.6	6.1	5.5	4.3	341.65	383.15	423.44	461.50	40.1	39.5	39.5	40.2	8.52	9.70	10.72	11.48
Food and Kindred Products	.2	.1	.1	.1	221.25	227.70	237.79	239.77	40.3	39.6	39.5	37.7	5.49	5.75	6.02	6.36
Chemicals and Allied Products	2.6	2.5	2.2	1.9	380.60	411.01	467.14	504.48	42.5	41.6	42.7	41.9	8.96	9.88	10.94	12.04

The Petersburg - Colonial Heights - Hopewell Standard Metropolitan Statistical Area covers the cities of Colonial Heights, Hopewell, and Petersburg and the counties of Dinwiddie and Prince George.

Average earnings are computed on a gross basis, reflecting not only changes in basic hourly and incentive wage rates, but also such variable factors as premium pay for overtime, late shift work, etc. Average weekly hours are the number of hours worked or paid for and are affected by such factors as absenteeism, turnover, overtime, etc.

1/ Not comparable with data for prior years.

ESTIMATED EMPLOYMENT IN THE LYNCHBURG, VIRGINIA AREA NONAGRICULTURAL ESTABLISHMENTS BY MAJOR INDUSTRY DIVISIONS

ANNUAL AVERAGES 1980 - 1983

INDUSTRY GROUP	EMPLOYMENT (In Thousands of Employees) 1980	1981	1982	1983	Percent Change From 1980 - 1983
NONAGRICULTURAL 1/	70.7	70.8	69.4	69.1	-2.26
MANUFACTURING	28.7	28.4	26.6	26.3	-8.36
Durable Goods	18.7	18.2	16.9	16.3	-12.83
Lumber and Wood Products and Furniture and Fixtures	4.1	4.1	3.7	3.7	-9.76
Other Durable Goods 2/	14.6	14.1	13.2	12.6	-13.70
Nondurable Goods	10.0	10.2	9.7	10.0	0.00
Food and Kindred Products	1.3	1.5	1.4	1.4	7.69
Textile Mill Products	1.9	1.9	1.7	1.7	-10.53
Apparel and Other Textile Products	2.2	2.3	2.2	2.4	9.09
Paper and Allied Products	1.0	1.1	1.0	1.0	0.00
Other Nondurable Goods 3/	3.6	3.5	3.3	3.5	-2.78
NONMANUFACTURING	42.0	42.4	42.8	42.8	1.90
Construction	3.2	2.7	2.6	2.5	-21.88
General Building Contractors	1.1	.9	.8	.8	-27.27
Heavy Construction Contractors	.5	.5	.4	.4	-20.00
Special Trade Contractors	1.6	1.4	1.4	1.3	-18.75
Transportation and Public Utilities	2.7	2.8	2.9	2.9	7.41
Trucking and Warehousing	.9	.9	.9	1.0	11.11
Communication	.7	.7	.7	.7	0.00
Wholesale and Retail Trade	12.1	12.2	12.1	12.3	1.65
Wholesale Trade	2.2	2.3	2.2	2.3	4.55
Retail Trade	9.9	9.8	9.8	10.0	1.01
General Merchandise Stores	1.7	1.8	1.7	1.8	5.88
Food Stores	1.9	1.9	1.8	1.8	-5.26
Automotive Dealers and Service Stations	1.9	1.0	1.0	1.0	-47.37
Eating and Drinking Places	2.5	2.4	2.7	2.7	8.00
Miscellaneous Retail	1.2	1.2	1.1	1.1	-8.33
Finance, Insurance and Real Estate	3.3	3.3	3.2	3.2	-3.03
Banking	1.1	1.1	1.0	1.0	-9.09
Insurance Carriers	1.0	1.1	1.2	1.1	10.00
Services and Mining	10.5	11.6	12.1	12.5	19.05
Personal Services	.6	.7	.7	.7	16.67
Health Services	3.3	3.4	3.5	3.6	9.09
Educational Services	1.6	2.3	2.3	2.6	62.50
Membership Organizations	1.2	1.2	1.2	1.2	0.00
Government	10.2	9.9	9.9	9.4	-7.84
State and Local Government	9.6	9.3	9.4	8.8	-8.33
Education	3.9	3.8	3.9	3.5	-10.26
General	5.7	5.5	5.6	5.2	-8.77

Estimates include all full-time and part-time wage and salary workers who worked during or received pay for the pay period including the twelfth of the month. Self-employed persons are excluded. Employment series have been adjusted to 1st Qtr. 1983 benchmark levels. Industrial classification structure is in accordance with 1972 Standard Industrial Classification Manual.

The Lynchburg Standard Metropolitan Statistical Area covers the city of Lynchburg and the counties of Amherst, Appomattox, and Campbell.

1/ Not comparable with data for years prior to 1970. Appomattox County included in the metropolitan area series beginning with data for January 1970.

2/ Includes stone, clay and glass products, primary metal industries, fabricated metal products, machinery, except electrical, electric and electronic equipment, transportation equipment, instruments and related products, and miscellaneous manufacturing industries.

3/ Includes tobacco manufactures, printing and publishing, chemicals and allied products, petroleum and coal products, rubber and miscellaneous plastic products, and leather and leather products.

NOTE: Detail may not add to totals due to rounding.

ESTIMATED EMPLOYMENT IN ROANOKE AREA NONAGRICULTURAL ESTABLISHMENTS
BY MAJOR INDUSTRY DIVISIONS

ANNUAL AVERAGES 1980 - 1983

INDUSTRY GROUP	EMPLOYMENT (In Thousands of Employees) 1980	1981	1982	1983	Percent Change From 1980 - 1983
NONAGRICULTURAL 1/	104.9	103.2	101.3	102.0	-2.76
MANUFACTURING	21.3	21.1	19.7	19.6	-7.98
Durable Goods	12.1	12.0	11.0	10.6	-12.40
Furniture and Fixtures	1.4	1.3	1.3	1.4	0.00
Primary Metals and Fabricated Metal Products	2.6	2.4	2.2	2.3	-11.54
Machinery, except Electrical	1.7	1.8	1.5	1.1	-35.29
Other Durable Goods 2/	6.4	6.5	6.0	5.7	-10.94
Nondurable Goods	9.2	9.1	8.7	9.0	-2.17
Food and Kindred Products	1.9	1.8	1.8	1.9	0.00
Textile Mill Products	2.0	1.9	1.7	1.8	-10.00
Apparel and Other Textile Products	1.8	1.9	1.8	1.8	0.00
Printing and Publishing	.9	1.0	1.0	.9	0.00
Other Nondurable Goods 3/	2.6	2.5	2.4	2.5	-3.85
NONMANUFACTURING	83.6	82.2	81.5	82.4	-1.44
Mining	.1	.2	.1	.1	0.00
Construction	5.5	4.9	4.6	5.1	-7.27
General Building Contractors	1.3	1.2	1.1	1.3	0.00
Heavy Construction Contractors	1.4	1.1	1.0	1.2	-14.29
Special Trade Contractors	2.8	2.6	2.5	2.7	-3.57
Transportation and Public Utilities	10.1	9.6	9.3	8.2	-18.81
Railroad Transportation	4.6	4.2	4.1	3.2	-30.43
Local and Interurban Passenger Transit	.3	.4	.3	.3	0.00
Trucking and Warehousing	2.0	1.9	1.7	1.6	-20.00
Wholesale and Retail Trade	25.4	24.9	25.0	25.8	1.57
Wholesale Trade	7.4	7.3	7.0	6.8	-8.11
Retail Trade	18.0	17.6	18.0	19.0	5.56
Building Materials and Garden Supplies	.8	.8	.8	.8	0.00
General Merchandise Stores	3.0	2.8	2.8	2.6	-13.33
Food Stores	2.8	2.7	2.8	2.8	0.00
Automotive Dealers and Service Stations	2.4	2.2	2.2	2.3	-4.17
Apparel and Accessory Stores	1.3	1.3	1.2	1.1	-15.38
Furniture and Home Furnishings Stores	.8	.9	.9	.9	12.50
Eating and Drinking Places	4.4	4.5	5.0	5.8	31.82
Miscellaneous Retail	2.5	2.3	2.4	2.8	12.00
Finance, Insurance and Real Estate	6.3	6.1	6.1	6.2	-1.59
Banking	1.7	1.7	1.8	1.7	0.00
Insurance Carriers	2.2	2.0	1.9	1.9	-13.64
Real Estate and Other Finance and Insurance	1.2	1.3	1.3	1.5	25.00
Services	20.4	21.0	21.5	22.2	8.82
Hotels and Other Lodging Places	1.3	1.4	1.6	1.6	23.08
Personal Services	1.3	1.3	1.4	1.4	7.69
Business Services	2.4	2.4	2.3	2.7	12.50
Automobile Repair, Services and Garages	.9	.9	.9	1.0	11.11
Amusement and Recreation Services	.7	.6	.7	.8	14.29
Health Services	7.4	7.8	8.1	8.6	16.22
Educational Services	1.3	1.4	1.5	1.5	15.38
Membership Organizations	2.0	1.9	2.0	1.8	-10.00
Government	15.8	15.4	14.8	14.8	-6.33
Federal Government	3.3	3.3	3.3	3.3	0.00
State and Local Government	12.5	12.1	11.6	11.5	-8.00
Education	6.3	6.1	5.8	5.8	-7.94
General	6.2	6.0	5.8	5.6	-9.68

Estimates include all full-time and part-time wage and salary workers who worked during or received pay for the pay period including the twelfth of the month. Self-employed persons are excluded. Employment series have been adjusted to 1st Qtr. 1983 benchmark levels. Industrial classification structure is in accordance with 1972 Standard Industrial Classification Manual.

The Roanoke Standard Metropolitan Statistical Area Covers the cities of Roanoke and Salem and the Counties of Botetourt, Craig and Roanoke.

1/ Not comparable with data for years prior to 1970. The counties of Botetourt and Craig included in area definition beginning with data for January 1970.

2/ Includes lumber and wood products, stone, clay and glass products, electric and electronic equipment, transportation equipment, instruments and related products, and miscellaneous manufacturing industries.

3/ Includes tobacco manufactures, paper and allied products, chemicals and allied products, rubber and plastics products and leather and leather products.

NOTE: Detail may not add to totals due to rounding.

ESTIMATED NUMBER OF PRODUCTION WORKERS AND HOURS AND GROSS EARNINGS OF THESE WORKERS IN SELECTED MANUFACTURING INDUSTRIES
ANNUAL AVERAGES 1980 - 1983

LYNCHBURG STANDARD METROPOLITAN STATISTICAL AREA

INDUSTRY GROUP	PRODUCTION WORKERS (In Thousands)				AVERAGE WEEKLY EARNINGS				AVERAGE WEEKLY HOURS				AVERAGE HOURLY EARNINGS			
	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983
MANUFACTURING	19.9	19.4	18.0	18.0	$240.30	$271.08	$259.24	$282.55	39.2	40.4	37.3	38.6	$ 6.13	$ 6.71	$ 6.95	$ 7.32
Durable Goods	12.0	11.5	10.5	10.0	251.81 1/	283.31	269.74	297.22	38.8 1/	40.3	36.8	38.5	6.49 1/	7.03	7.33	7.72
Lumber and Wood Products and Furniture and Fixtures	3.4	3.3	3.0	3.0	163.62	174.58	169.16	188.32	37.7	36.6	33.9	35.6	4.34	4.77	4.99	5.29
Nondurable Goods	8.0	7.9	7.5	8.0	222.72	252.90	243.70	264.62	39.7	40.4	37.9	38.8	5.61	6.26	6.43	6.82
Food and Kindred Products	.7	.8	.8	.8	241.81	268.11 1/	304.38	321.53	42.2	40.5 1/	42.1	43.1	5.73	6.62 1/	7.23	7.46
Textile Mill Products	1.6	1.6	1.4	1.5	221.94	233.11	214.20	256.48	41.1	40.4	35.7	40.2	5.40	5.77	6.00	6.38
Apparel and Other Textile Products	2.1	2.0	2.0	2.1	130.34	145.16	138.69	149.28	34.3	36.2	33.5	33.1	3.80	4.01	4.14	4.51
Paper and Allied Products	.9	1.0	.9	.8	375.65	387.22	372.37	413.89	51.6	49.9	45.3	46.4	7.28	7.76	8.22	8.92

The Lynchburg Standard Metropolitan Statistical Area covers the city of Lynchburg and the counties of Amherst, Appomattox, and Campbell.

1/ Not comparable with data for prior years.

ROANOKE STANDARD METROPOLITAN STATISTICAL AREA

INDUSTRY GROUP	PRODUCTION WORKERS (In Thousands)				AVERAGE WEEKLY EARNINGS				AVERAGE WEEKLY HOURS				AVERAGE HOURLY EARNINGS			
	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983
MANUFACTURING	14.9	14.8	13.5	13.5	$232.22	$251.86	$259.29	$279.50	39.9	39.6	38.7	40.1	$ 5.82	$ 6.36	$ 6.70	$ 6.97
Durable Goods	8.3	8.2	7.3	7.0	236.78	260.74	266.26	286.72	40.2	40.3	38.7	40.1	5.89	6.47	6.88	7.15
Fabricated Metal Products	1.3	1.2	1.0	1.1	219.37	247.42	260.50	274.59	40.4	41.1	40.2	40.5	5.43	6.02	6.48	6.78
Fabricated Structural Metal Products	.9	.8	.6	.7	222.60	252.15	261.89	287.46	40.4	41.0	39.8	41.6	5.51	6.15	6.56	6.91
Nondurable Goods	6.6	6.6	6.2	6.5	226.91	239.71	250.90	271.88	39.6	38.6	38.6	40.1	5.73	6.21	6.50	6.78
Food and Kindred Products	.8	.9	1.0	1.0	237.62	272.79	283.76	321.86	43.6	44.5	42.8	41.8	5.45	6.13	6.63	7.70
Textile Mill Products	1.7	1.6	1.4	1.5	181.17	190.13	209.61	224.92	39.3	37.8	37.7	40.6	4.61	5.03	5.56	5.54

The Roanoke Standard Metropolitan Statistical Area covers the cities of Roanoke and Salem and the counties of Botetourt, Craig, and Roanoke.

Average earnings are computed on a gross basis, reflecting not only changes in basic hourly and incentive wage rates, but also such variable factors as premium pay for overtime, late shift work, etc. Average weekly hours are the number of hours worked or paid for and are affected by such factors as absenteeism, turnover, overtime, etc.

ESTIMATED EMPLOYMENT IN NORFOLK-VIRGINIA BEACH-PORTSMOUTH AREA NONAGRICULTURAL ESTABLISHMENTS
BY MAJOR INDUSTRY DIVISIONS

ANNUAL AVERAGES 1980 - 1983

INDUSTRY GROUP	EMPLOYMENT (In Thousands of Employees) 1980	1981	1982	1983	Percent Change From 1980 - 1983
NONAGRICULTURAL 1/	287.1	290.4	290.9	301.6	5.05
MANUFACTURING	29.2	29.3	27.1	25.8	-11.64
Durable Goods	17.6	18.0	16.0	14.9	-15.34
Lumber and Wood Products	1.6	1.5	1.3	1.3	-18.75
Stone, Clay and Glass Products	1.7	1.6	1.5	1.6	-5.88
Fabricated Metal Products	1.0	1.1	1.0	1.0	0.00
Machinery, except Electrical	1.2	1.4	1.3	1.3	8.33
Transportation Equipment	7.4	7.8	6.8	5.7	-22.97
Other Durable Goods 2/	4.7	4.6	4.1	3.9	-17.02
Nondurable Goods	11.6	11.3	11.0	10.9	-6.03
Food and Kindred Products	5.7	5.4	5.3	5.0	-12.28
Apparel and Other Textile Products	.9	1.0	.9	.9	0.00
Printing and Publishing	2.4	2.4	2.5	2.6	8.33
Chemicals and Allied Products	1.4	1.2	1.0	1.0	-28.57
Agricultural Chemicals	.7	.6	.4	.4	-42.86
Other Nondurable Goods 3/	1.2	1.4	1.3	1.5	25.00
NONMANUFACTURING	257.9	261.0	263.8	275.8	6.94
Construction	17.5	16.4	16.2	19.0	8.57
General Building Contractors	4.1	3.7	3.4	4.0	-2.44
Heavy Construction Contractors	4.0	3.4	3.3	3.9	-2.50
Special Trade Contractors	9.4	9.3	9.5	11.1	18.09
Transportation and Public Utilities	19.3	19.7	19.7	19.8	2.59
Railroad Transportation	1.5	1.5	1.4	1.4	-6.67
Local and Interurban Passenger Transit	1.9	1.8	2.0	2.1	10.53
Trucking and Warehousing	3.6	3.6	3.5	3.3	-8.33
Water Transportation	4.3	4.2	3.8	3.8	-11.63
Transportation Services	1.0	1.0	1.1	1.0	0.00
Wholesale and Retail Trade	68.7	71.1	71.0	74.4	8.30
Wholesale Trade	15.2	15.2	15.4	15.7	3.29
Retail Trade	53.5	55.9	55.6	58.7	9.72
Building Materials and Garden Supplies	2.0	2.0	1.9	2.0	0.00
General Merchandise Stores	9.3	9.7	9.3	9.3	0.00
Food Stores	9.2	10.1	9.5	10.2	10.87
Automotive Dealers and Service Stations	5.8	6.0	6.1	6.5	12.07
Apparel and Accessory Stores	3.0	3.1	3.3	3.4	13.33
Furniture and Home Furnishings Stores	2.7	2.8	3.0	3.2	18.52
Eating and Drinking Places	15.8	16.1	16.5	17.8	12.66
Miscellaneous Retail	5.8	6.1	6.0	6.2	6.90
Finance, Insurance and Real Estate	15.2	15.0	15.0	15.5	1.97
Banking	4.8	4.7	4.8	4.8	0.00
Credit Agencies other than Banks	2.1	2.1	2.1	2.3	9.52
Insurance Carriers	2.4	2.2	2.1	1.9	-20.83
Insurance Agents, Brokers and Services	1.1	1.1	1.1	1.1	0.00
Real Estate and Other Finance and Insurance	4.6	4.5	4.6	5.0	8.70
Services and Mining	56.4	59.3	62.2	66.2	17.38
Hotels and Other Lodging Places	3.8	4.0	4.4	4.9	28.95
Personal Services	4.3	4.2	4.4	4.6	6.98
Business Services	9.1	10.1	11.2	12.5	37.36
Automobile Repair, Services and Garages	2.0	2.0	2.1	2.2	10.00
Miscellaneous Repair Services	1.6	1.4	1.4	1.4	-12.50
Motion Pictures	.5	.5	.5	.5	0.00
Amusement and Recreation Services	1.7	1.7	1.8	1.9	11.76
Health Services	19.3	20.4	21.1	21.2	9.84
Legal Services	1.6	1.6	1.7	1.8	12.50
Educational Services	2.3	2.4	2.4	2.7	17.39
Social Services	2.3	2.3	2.4	2.8	21.74
Membership Organizations	3.3	3.4	3.4	3.4	3.03
Miscellaneous Services	3.6	4.2	4.5	4.9	36.11
Government	80.0	79.5	79.7	81.0	0.25
Federal Government	36.7	36.7	37.6	37.9	3.27
State and Local Government	44.1	42.7	42.2	43.1	-2.27
Education	22.5	21.8	22.0	23.0	2.22
General	21.6	20.9	20.1	20.1	-6.94

Estimates include all full-time and part-time wage and salary workers who worked during or received pay for the pay period including the twelfth of the month. Self-employed persons are excluded. Employment series have been adjusted to 1st Qtr. 1983 benchmark levels. Industrial classification structure is in accordance with 1972 Standard Industrial Classification Manual.

The Norfolk - Virginia Beach - Portsmouth Standard Metropolitan Statistical Area covers the cities of Chesapeake, Norfolk, Portsmouth, Suffolk, and Virginia Beach, Virginia and the county of Currituck, North Carolina.

1/ Not comparable with data for years prior to 1970 due to change in geographic composition of the area. The city of Suffolk and the county of Currituck, North Carolina were included in the employment series beginning with January 1970 data.

2/ Includes furniture and fixtures, primary metal industries, electric and electronic equipment, instruments and related products, and miscellaneous manufacturing industries.

3/ Includes tobacco manufactures, textile mill products, paper and allied products, rubber and miscellaneous plastics products, and leather and leather products.

NOTE: Detail may not add to totals due to rounding.

ESTIMATED EMPLOYMENT IN NORTHERN VIRGINIA AREA NONAGRICULTURAL ESTABLISHMENTS
BY MAJOR INDUSTRY DIVISIONS

ANNUAL AVERAGES 1980 - 1983

INDUSTRY GROUP	EMPLOYMENT (In Thousands of Employees) 1980	1981	1982	1983	Percent Change From 1980 - 1983
NONAGRICULTURAL	454.6	468.8	479.2	504.1	10.89
MANUFACTURING	18.9	20.5	22.2	24.6	30.16
Durable Goods	11.9	12.8	14.0	15.7	31.93
Stone, Clay and Glass Products	1.1	1.1	.9	1.0	-9.09
Fabricated Metal Products	1.2	1.1	1.0	1.1	-8.33
Machinery, except Electrical	.6	.9	1.3	1.4	133.33
Electric and Electronic Equipment	6.8	7.7	9.0	10.1	48.53
Other Durable Goods 1/	2.2	2.1	1.8	2.0	-9.09
Nondurable Goods	7.0	7.7	8.2	8.9	27.14
Food and Kindred Products	1.1	1.1	1.1	1.1	0.00
Printing and Publishing	4.6	5.1	5.5	6.1	32.61
Other Nondurable Goods 2/	1.3	1.5	1.6	1.7	30.77
NONMANUFACTURING	435.7	448.3	456.9	479.5	10.05
Mining	.4	.4	.5	.5	25.00
Construction	30.4	28.4	23.9	27.6	-9.21
General Building Contractors	7.9	7.2	6.0	6.6	-16.46
Heavy Construction Contractors	4.1	3.5	2.7	3.1	-24.39
Special Trade Contractors	18.4	17.8	15.2	17.9	-2.72
Transportation and Public Utilities	31.8	32.8	33.8	35.0	10.06
Railroad Transportation	1.1	1.0	.9	.8	-27.27
Local and Interurban Passenger Transit	1.1	1.0	1.0	.9	-18.18
Trucking and Warehousing	4.6	4.7	4.5	4.8	4.35
Transportation by Air	9.7	9.5	9.7	10.1	4.12
Transportation Services	1.7	1.5	1.6	1.8	5.88
Communication	10.0	11.2	12.2	12.6	26.00
Electric, Gas and Sanitary Services	3.5	3.7	3.8	3.9	11.43
Wholesale and Retail Trade	105.1	110.9	110.4	115.0	9.42
Wholesale Trade	20.4	22.0	22.5	23.5	15.20
Wholesale Trade-Durable Goods	15.6	16.5	17.4	18.4	17.95
Wholesale Trade-Nondurable Goods	4.8	5.5	5.1	5.1	6.25
Retail Trade	84.7	88.8	87.9	91.5	8.03
Building Materials and Garden Supplies	2.9	3.0	2.9	3.0	3.45
General Merchandise Stores	13.0	13.6	13.3	12.3	-5.38
Food Stores	10.1	10.3	10.5	11.2	10.89
Automotive Dealers and Service Stations	11.4	11.4	11.5	12.0	5.26
Apparel and Accessory Stores	5.5	5.9	5.9	6.2	13.73
Furniture and Home Furnishings Stores	4.0	4.1	4.3	5.0	25.00
Eating and Drinking Places	25.2	27.3	26.7	29.1	15.48
Miscellaneous Retail	12.6	13.2	12.8	12.8	1.59
Finance, Insurance and Real Estate	28.6	28.6	29.3	30.5	6.64
Banking	6.2	6.5	6.2	6.0	-3.23
Credit Agencies other than Banks	4.4	4.3	4.8	5.5	25.00
Insurance Carriers	3.6	3.5	3.9	4.1	13.89
Insurance Agents, Brokers and Service	1.6	1.5	1.5	1.7	6.25
Real Estate	11.7	11.6	11.2	11.5	-1.71
Services	120.6	126.7	136.4	147.2	22.06
Hotels and Other Lodging Places	7.0	7.2	7.8	8.0	14.29
Personal Services	6.3	6.6	7.1	7.5	19.05
Business Services	43.1	44.9	49.9	57.1	32.48
Automobile Repair, Services and Garages	3.4	3.5	3.7	4.0	17.65
Miscellaneous Repair Services	1.2	1.1	1.3	1.5	25.00
Motion Pictures	.8	.8	.9	.8	0.00
Amusement and Recreation Services	3.7	4.0	3.6	3.5	-5.41
Health Services	20.9	22.2	23.7	24.6	17.70
Legal Services	3.0	3.1	3.3	3.4	13.33
Educational Services	3.6	3.6	3.9	4.0	11.11
Social Services	3.4	3.9	4.1	4.7	38.24
Membership Organizations	8.4	8.7	9.2	9.6	14.29
Miscellaneous Services	13.7	14.6	15.3	16.2	18.25
Agricultural Services	1.9	2.1	2.2	2.0	5.26
Government	118.8	120.4	122.7	123.6	4.04
Federal Government	66.5	65.5	67.5	69.5	4.51
State and Local Government	52.3	54.8	55.2	54.1	3.44
Education	30.8	31.7	31.8	31.0	0.65
General	21.5	23.1	23.5	23.2	7.91

Estimates include all full-time and part-time wage and salary workers who worked during or received pay for the pay period including the twelfth of the month. Self-employed persons are excluded. Employment series have been adjusted to 1st Qtr. 1983 benchmark levels. Industrial classification structure is in accordance with 1972 Standard Industrial Classification Manual.

The Northern Virginia Area covers the cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park and the counties of Arlington, Fairfax, Loundoun, and Prince William.

1/ Includes lumber and wood products, furniture and fixtures, primary metal industries, transportation equipment, instruments and related products, and miscellaneous manufacturing industries.

2/ Includes tobacco manufactures, textile mill products, apparel and other textile products, paper and allied products, chemicals and allied products, petroleum and coal products, and rubber and miscellaneous plastics products.

NOTE: Detail may not add to totals due to rounding.

ESTIMATED NUMBER OF PRODUCTION WORKERS AND HOURS AND GROSS EARNINGS OF THESE WORKERS IN SELECTED MANUFACTURING INDUSTRIES
ANNUAL AVERAGES 1980 - 1983

NORFOLK - VIRGINIA BEACH - PORTSMOUTH STANDARD METROPOLITAN STATISTICAL AREA

INDUSTRY GROUP	PRODUCTION WORKERS (In Thousands)				AVERAGE WEEKLY EARNINGS				AVERAGE WEEKLY HOURS				AVERAGE HOURLY EARNINGS			
	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983
MANUFACTURING	22.5	22.5	20.9	19.5	$271.21	$293.87	$313.75	$341.85	40.6	41.1	40.8	42.1	$ 6.68	$ 7.15	$ 7.69	$ 8.12
Durable Goods	14.7	14.9	13.6	12.4	290.99	320.12	341.94	378.89	41.1	42.4	41.7	43.5	7.08	7.55	8.20	8.71
Lumber and Wood Products 1/	1.5	1.3	1.2	1.2	210.75 1/	236.81	227.05	240.07	39.1	41.4	37.1	39.1	5.39 1/	5.72	6.12	6.14
Stone, Clay and Glass Products	1.2	1.2	1.1	1.2	231.86	267.80	293.97	324.08	39.1	41.2	41.0	44.7	5.93	6.50	7.17	7.25
Fabricated Metal Products	.8	.7	.7	.7	221.81	222.53	243.10	265.37	41.0	38.5	39.4	41.4	5.41	5.78	6.17	6.41
Machinery, except Electrical	1.0	1.1	1.1	1.0	231.09	249.01	247.83	267.88	40.4	39.4	37.1	37.0	5.72	6.32	6.68	7.24
Transportation Equipment	6.6	7.0	6.3	5.2	365.04	399.46	434.26	500.72	43.2	45.6	46.1	48.1	8.45	8.76	9.42	10.41
Nondurable Goods	7.7	7.6	7.4	7.2	237.80	244.29	261.58	279.40	39.9	38.9	39.1	39.8	5.96	6.28	6.69	7.02
Food and Kindred Products	3.9	3.8	3.8	3.6	222.15	234.99	246.27	268.37	40.1	39.1	38.3	39.7	5.54	6.01	6.43	6.76
Chemicals and Allied Products	.8	.7	.5	.4	235.62	258.72	287.17	291.08	39.8	39.2	39.5	38.3	5.92	6.60	7.27	7.60

The Norfolk - Virginia Beach - Portsmouth Standard Metropolitan Statistical Area covers the cities of Chesapeake, Norfolk, Portsmouth, Suffolk, and Virginia Beach, Virginia and the county of Currituck, North Carolina.

1/ Not comparable with data for prior years.

NORTHERN VIRGINIA AREA

INDUSTRY GROUP	PRODUCTION WORKERS (In Thousands)				AVERAGE WEEKLY EARNINGS				AVERAGE WEEKLY HOURS				AVERAGE HOURLY EARNINGS			
	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983
MANUFACTURING	10.4	10.9	10.5	10.4	$277.01	$296.68	$312.44	$343.00	39.8	40.2	39.6	40.4	$ 6.96	$ 7.38	$ 7.89	$ 8.49
Durable Goods	6.4	6.7	6.2	5.9	265.52	284.82	295.65	309.41	40.6	41.1	40.5	41.2	6.54	6.93	7.30	7.51
Stone, Clay and Glass Products	1.0	.9	.7	.8	224.07	228.38	232.04	275.52	38.5	37.5	36.2	39.7	5.82	6.09	6.41	6.94
Fabricated Metal Products	1.0	.9	.8	.8	280.16	320.35	350.24	343.90	41.2	42.6	43.4	42.3	6.80	7.52	8.07	8.13
Electric and Electronic Equipment 1/	2.9	3.1	2.8	2.2	297.89	297.65 1/	299.17	302.47	42.8	43.2	41.9	40.6	6.96	6.89 1/	7.14	7.45
Nondurable Goods	4.0	4.2	4.3	4.5	291.43	315.41	337.54	386.12	38.6	38.7	38.4	39.2	7.55	8.15	8.79	9.85
Food and Kindred Products 1/	.6	.5	.6	.7	294.38	303.99 1/	309.61	325.50	41.0	41.7	40.9	42.0	7.18	7.29 1/	7.57	7.75

The Northern Virgnia Area covers the cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park and the counties of Arlington, Fairfax, Loudoun, and Prince William.

Average earnings are computed on a gross basis, reflecting not only changes in basic hourly and incentive wage rates, but also such variable factors as premium pay for overtime, late shift work, etc. Average weekly hours are the number of hours worked or paid for and are affected by such factors as absenteeism, turnover, overtime, etc.

1/ Not comparable with data for prior years.

NOTE: Detail may not add to totals due to rounding.

ESTIMATED EMPLOYMENT IN RICHMOND AREA NONAGRICULTURAL ESTABLISHMENTS
BY MAJOR INDUSTRY DIVISIONS

ANNUAL AVERAGES 1980 - 1983

INDUSTRY GROUP	EMPLOYMENT (In Thousands of Employees) 1980	1981	1982	1983	Percent Change From 1980 - 1983
NONAGRICULTURAL 1/	327.4	329.2	326.4	332.2	1.47
MANUFACTURING	56.3	56.6	55.0	54.9	-2.49
Durable Goods	17.8	17.2	15.3	14.7	-17.42
Lumber and Wood Products	1.7	1.5	1.2	1.3	-23.53
Furniture and Fixtures	1.8	1.7	1.0	.9	-50.00
Stone, Clay and Glass Products	1.3	1.3	1.1	1.1	-15.38
Fabricated Metal Products	2.4	2.3	2.1	1.8	-25.00
Machinery, except Electrical	2.1	2.2	2.4	2.1	0.00
Other Durable Goods 2/	8.5	8.2	7.5	7.5	-11.76
Nondurable Goods	38.5	39.4	39.7	40.2	4.42
Food and Kindred Products	4.2	4.2	4.1	3.9	-7.14
Tobacco Manufactures	13.1	13.8	14.0	13.8	5.34
Apparel and Other Textile Products	2.3	1.9	1.9	2.0	-13.04
Paper and Allied Products	4.2	4.2	4.0	4.3	2.38
Printing and Publishing	5.2	5.5	5.6	5.9	13.46
Chemicals and Allied Products	8.1	8.2	8.3	8.2	1.23
Other Nondurable Goods 3/	1.4	1.6	1.8	2.1	50.00
NONMANUFACTURING	271.1	272.7	271.5	277.3	2.29
Mining	.3	.3	.3	.3	0.00
Construction	19.0	17.7	16.1	15.9	-16.32
General Building Contractors	4.3	3.9	3.8	3.4	-20.93
Heavy Construction Contractors	3.0	2.6	2.1	1.9	-36.67
Special Trade Contractors	11.7	11.1	10.3	10.6	-9.40
Transportation and Public Utilities	19.6	19.9	19.9	19.3	-1.53
Railroad Transportation	1.8	1.8	1.8	1.6	-11.11
Trucking and Warehousing	6.4	6.1	5.8	5.6	-12.50
Wholesale and Retail Trade	75.9	77.0	77.6	80.5	6.06
Wholesale Trade	23.1	23.9	23.7	24.0	3.90
Retail Trade	52.8	53.1	53.9	56.5	7.01
Building Materials and Garden Supplies	1.6	1.7	1.6	1.6	0.00
General Merchandise Stores	11.6	10.9	10.6	10.7	-7.76
Food Stores	7.5	7.7	8.0	8.6	14.67
Automotive Dealers and Service Stations	5.8	5.7	5.8	6.3	8.62
Apparel and Accessory Stores	3.1	3.5	3.4	3.3	6.45
Furniture and Home Furnishings Stores	2.8	2.7	2.7	3.0	7.14
Eating and Drinking Places	13.5	13.9	14.8	15.7	16.30
Miscellaneous Retail	6.9	7.0	7.1	7.4	7.25
Finance, Insurance and Real Estate	26.8	26.8	27.0	27.8	3.40
Banking	8.4	8.4	8.7	8.7	3.57
Credit Agencies other than Banks	2.2	2.1	2.1	2.4	9.09
Security, Commodity Brokers and Services	1.0	1.1	1.2	1.2	20.00
Insurance Carriers, Agents, Brokers and Services	10.3	10.6	10.5	10.6	2.91
Real Estate and Other Finance and Insurance	4.5	4.3	4.5	4.6	2.22
Services	58.2	60.0	60.8	63.2	8.59
Hotels and Other Lodging Places	2.8	2.8	2.7	2.6	-7.14
Personal Services	3.5	3.6	3.7	4.1	17.14
Business Services	12.9	13.5	14.0	15.0	16.28
Automobile Repair, Services and Garages	2.3	2.2	2.1	2.2	-4.35
Miscellaneous Repair Services	.9	.9	.8	.9	0.00
Motion Pictures, Amusement and Recreation Services	3.3	3.3	3.4	3.6	9.09
Health Services	15.0	15.9	16.5	17.0	13.33
Legal Services	2.1	2.2	2.3	2.3	9.52
Educational Services	3.4	3.5	3.5	3.2	-5.88
Social Services	4.0	4.3	4.3	4.7	17.50
Membership Organizations	4.1	4.1	3.9	3.9	-4.88
Miscellaneous Services	2.8	2.7	2.4	2.6	-7.14
Government	71.6	71.1	69.8	70.8	-1.12
Federal Government	9.2	9.2	9.3	9.8	6.52
State and Local Government	62.4	61.9	60.5	61.0	-2.24
Education	25.0	26.3	25.2	26.1	4.40
General	37.4	35.6	35.2	34.9	-6.68

Estimates include all full-time and part-time wage and salary workers who worked during or received pay for the pay period including the twelfth of the month. Self-employed persons are excluded. Employment series have been adjusted to 1st Qtr. 1983 benchmark levels. Industrial classification structure is in accordance with 1972 Standard Industrial Classification Manual.

The Richmond Standard Metropolitan Statistical Area covers the city of Richmond and the counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, and Powhatan.

1/ Not comparable with data for years prior to 1970. Charles City, Goochland, New Kent, and Powhatan counties included in the metropolitan area series beginning with data for January 1970.

2/ Includes primary metal industries, electric and electronic equipment, transportation equipment, instruments and related products, and miscellaneous manufacturing industries products.

3/ Includes textile mill products, petroleum and coal products, rubber and miscellaneous plastics products, and leather and leather products.

NOTE: Detail may not add to totals due to rounding.

ESTIMATED NUMBER OF PRODUCTION WORKERS AND HOURS AND GROSS EARNINGS OF THESE WORKERS IN SELECTED MANUFACTURING INDUSTRIES
ANNUAL AVERAGES 1980 - 1983

RICHMOND STANDARD METROPOLITAN STATISTICAL AREA

INDUSTRY GROUP	PRODUCTION WORKERS (In Thousands)				AVERAGE WEEKLY EARNINGS				AVERAGE WEEKLY HOURS				AVERAGE HOURLY EARNINGS			
	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983	1980	1981	1982	1983
MANUFACTURING	37.7	37.7	37.0	36.2	$318.40	$353.28	$358.98	$402.43	40.0	40.1	38.6	39.3	$ 7.96	$ 8.81	$ 9.30	$10.24
Durable Goods	11.1	10.6	9.1	8.2	301.92	330.89	335.43	360.28	40.8	40.5	38.6	40.3	7.40	8.17	8.69	8.94
Lumber and Wood Products	1.5	1.2	1.0	1.0	190.00	210.89	198.78	223.18	40.0	40.4	38.3	37.7	4.75	5.22	5.19	5.92
Furniture and Fixtures	1.4	1.3	.9	.7	180.97	187.29	181.14	191.78	39.6	39.1	36.3	36.6	4.57	4.79	4.99	5.24
Primary Metal Industries	1.6	1.5	1.4	1.1	478.61	478.39	458.54	451.78	41.8	40.1	39.7	41.6	11.45	11.93	11.55	10.86
Fabricated Metal Products	1.9	1.9	1.6	1.2	371.13	395.35	377.11	407.16	41.1	40.8	37.9	39.0	9.03	9.69	9.95	10.44
Fabricated Structural Metal Products	1.4	1.4	1.2	.9	412.82	429.30	407.90	448.11	41.2	40.5	38.3	39.0	10.02	10.60	10.65	11.49
Nondurable Goods	26.6	27.1	27.9	28.0	323.95	362.40	366.70	414.96	39.7	40.0	38.6	39.0	8.16	9.06	9.50	10.64
Food and Kindred Products	2.9	2.9	2.7	2.6	225.59 1/	242.42	261.95	271.94	38.3	39.1	37.8	37.1	5.89 1/	6.20	6.93	7.33
Tobacco Manufactures	8.9	9.4	10.0	9.6	393.57	428.85	404.06	489.35	39.2	39.2	36.6	37.1	10.04	10.94	11.04	13.19
Cigarettes	8.3	8.6	9.0	8.8	400.86	437.73	407.36	504.43	39.3	39.4	36.6	37.7	10.20	11.11	11.13	13.38
Apparel and Other Textile Products	1.9	1.6	1.7	1.8	160.74	186.05	181.28	190.90	38.0	39.5	37.3	38.8	4.23	4.71	4.86	4.92
Paper and Allied Products	3.3	3.2	3.1	3.2	290.21	327.83	345.91	392.28	41.4	42.3	40.6	42.5	7.01	7.75	8.52	9.23
Printing and Publishing	3.5	3.6	3.8	4.1	316.91	343.81	348.94	398.22	38.6	38.5	38.6	38.7	8.21	8.93	9.04	10.29
Chemicals and Allied Products	4.9	5.1	5.2	5.1	356.18	397.03	428.69	451.95	40.8	41.4	41.3	40.9	8.73	9.59	10.38	11.05

The Richmond Standard Metropolitan Statistical Area covers the city of Richmond and the counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent, and Powhatan.

Average earnings are computed on a gross basis, reflecting not only changes in basic hourly and incentive wage rates, but also such variable factors as premium pay for overtime, late shift work, etc. Average weekly hours are the number of hours worked or paid for and are affected by such factors as absenteeism, turnover, overtime, etc.

1/ Not comparable with data for prior years.

EMPLOYMENT IN NEWPORT NEWS-HAMPTON AREA NONAGRICULTURAL ESTABLISHMENTS
BY MAJOR INDUSTRY DIVISIONS

ANNUAL AVERAGES 1980 - 1983

INDUSTRY GROUP	EMPLOYMENT (In Thousands of Employees) 1980	1981	1982	1983	Percent Change From 1980 - 1983
NONAGRICULTURAL 1/	149.4	150.8	151.3	157.7	5.56
MANUFACTURING	34.3	35.3	35.9	38.4	11.95
Durable Goods	28.4	29.0	29.6	32.3	13.73
Stone, Clay and Glass Products	.6	.5	.4	.5	-16.67
Transportation Equipment	23.9	24.9	25.7	28.3	18.41
Other Durable Goods 2/	3.9	3.6	3.5	3.5	-10.26
Nondurable Goods	5.9	6.3	6.3	6.1	3.39
Food and Kindred Products	2.4	2.7	2.8	2.8	16.67
Textile Mill Products and Apparel and Other Textile Products	.6	.5	.3	.2	-66.67
Printing and Publishing	1.1	1.1	1.1	1.1	0.00
Other Nondurable Goods 3/	1.8	2.0	2.0	2.0	11.11
NONMANUFACTURING	115.1	115.5	115.4	119.3	3.65
Construction	7.3	6.9	6.4	7.0	-4.11
General Building Contractors	2.6	2.2	1.9	2.2	-15.38
Heavy Construction Contractors	.9	.8	.8	1.0	11.11
Special Trade Contractors	3.8	3.9	3.7	3.8	0.00
Transportation and Public Utilities	4.8	5.0	4.9	4.7	-2.08
Railroad Transportation	1.0	1.0	.9	.7	-30.00
Water Transportation	.3	.4	.4	.3	0.00
Wholesale and Retail Trade	28.5	29.3	30.7	31.8	11.58
Wholesale Trade	3.6	3.5	3.7	3.7	2.78
Retail Trade	24.9	25.8	27.1	28.2	13.25
Building Materials and Garden Supplies	.9	.9	.9	1.0	11.11
General Merchandise	4.0	3.6	3.7	3.7	-7.50
Food Stores	4.2	4.5	4.6	4.7	11.90
Automotive Dealers and Service Stations	2.7	2.7	2.6	2.7	0.00
Apparel and Accessory Stores	1.4	1.4	1.6	1.9	35.71
Furniture and Home Furnishings Stores	.9	.9	.8	1.0	11.11
Eating and Drinking Places	7.1	7.7	8.4	8.6	21.13
Miscellaneous Retail	3.7	4.0	4.4	4.6	24.32
Finance, Insurance and Real Estate	4.8	4.8	4.6	4.7	-2.08
Banking	1.3	1.3	1.2	1.2	-7.69
Real Estate	1.9	1.9	1.8	1.9	0.00
Services and Mining	29.5	30.0	30.7	32.4	9.83
Hotels and Other Lodging Places	6.7	6.6	6.6	6.8	1.49
Personal Services	1.4	1.5	1.5	1.4	0.00
Business Services	3.8	3.8	3.9	4.1	7.89
Health Services	6.8	7.5	7.8	8.1	19.12
Educational Services	1.8	2.0	1.9	2.1	16.67
Membership Organizations	1.8	1.8	1.8	1.8	0.00
Miscellaneous Services	1.0	1.0	1.4	1.9	90.00
Government	40.2	39.5	38.1	38.7	-3.73
Federal Government	16.6	16.9	17.0	17.2	3.61
State and Local Government	23.6	22.5	21.1	21.5	-8.90
State	6.8	6.8	6.2	6.2	-8.82
Local	16.8	15.7	14.9	15.3	-8.93

Estimates include all full-time and part-time wage and salary workers who worked during or received pay for the pay period including the twelfth of the month. Self-employed persons are excluded. Employment series have been adjusted to 1st Qtr. 1983 benchmark levels. Industrial classification structure is in accordance with 1972 Standard Industrial Classification Manual.

The Newport News-Hampton Standard Metropolitan Statistical Area covers the cities of Hampton, Newport News, Poquoson and Williamsburg and the counties of James City, York and Gloucester.

1/ Not comparable with data for years prior to 1975. The cities of Poquoson and Williamsburg and the county of James City, included in the metropolitan area series beginning with data for January 1970. The county of Gloucester is not included in statistics prior to 1975.

2/ Includes lumber and wood products, furniture and fixtures, primary metal industries, fabricated metal products, machinery except electric, electric and electronic equipment, instruments and related products, and miscellaneous manufacturing industries.

3/ Includes tobacco manufactures, paper and allied products, chemicals and allied products, petroleum and coal products, and leather and leather products.

NOTE: Detail may not add to totals due to rounding.

THE MARKET BASKET
FOR THE
RICHMOND METROPOLITAN AREA
NORTHERN VIRGINIA METROPOLITAN AREA
NORFOLK-VIRGINIA BEACH-PORTSMOUTH METROPOLITAN AREA

The Virginia Department of Labor and Industry's Market Basket has been designed to measure the price change in the retail cost of a fixed quantity of foods. The cost of the Market Basket is derived by multiplying the average retail price of each item by the quantity and totaling the entire group. This permits a comparison of prices on a month-to-month basis. The Market Basket combines 40 of the 71 items priced during the same period of time each month at selected stores throughout the areas. The Market Basket represents neither the cost of food for a family of one particular size or income group, nor every change in food prices, but only an increase or decrease in the total cost of items in the Market Basket.

Revisions in the 1982 product composition and the 1983 store classification for the Market Basket rendered direct comparisons to previous years' data unuseable as all three areas were adjusted in 1982 and the Richmond and Norfolk areas were revised in 1983. The quantity consumed and the 40 commodities included in this study are listed in a table below. For a number of food items, the quantity consumed in the Market Basket is listed as a fraction or a multiple of the unit that is priced.

1 lb.	Round Steak	1 bunch	Carrots	10 qts.	Milk
1 lb.	Bacon	1 stalk	Celery	1 pt.	Ice Cream
1 lb.	Hamburger	1 can	Tuna	2 doz.	Eggs
1 lb.	Frankfurters	1 can	Corn	½ lb.	American Processed Cheese
2 lbs.	Pork Chops	1 can	Peas		
2 lbs.	Chicken	1 can	Tomatoes	2 cans	Evapor. Milk
1 lb.	Frozen Fish	1 can	Peaches	1 lb.	Margarine
1 doz.	Oranges	1 can	Soup	1 lb.	Shortening
1 lb.	Apples	1 pkg.	Fro. Green Beans	1 lb.	Coffee
2 lbs.	Bananas	5 cans	Fro. Orange Juice	5 lbs.	Sugar
10 lbs.	Potatoes	4 lbs.	Flour	1 jar	Peanut Butter
2 lbs.	Cabbage	2 bxs.	Prepared Cereal	1 10 oz.	Jar Jelly
1 head	Lettuce	1 bx.	Soda Crackers	1 ctn.	Soft Drinks
1 lb.	Onions	6 loaves	Bread		

Market Basket averages for 1982 increased in all three metropolitan areas with a 2.0 percent jump to $60.35 for the Norfolk area, 2.9 percent to $61.14 for the Richmond area and 2.3 percent to $61.54 in the Northern Virginia area. January marked the lowest price level for Richmond at $57.64, Norfolk at $58.02 and Northern Virginia at $58.74. Meanwhile, the highest prices for Richmond and Northern Virginia, $64,30 and $65.41 respectively occurred in July with Norfolk's peak of $62.34 registering in September.

While some change is attributable to the 1983 revision, rough comparisons show inflation slowed to a considerable degree as Norfolk's yearly average increased only 0.01% to $60.36 and Richmond prices edged up 0.9% to a $61.69 average. Northern Virginia's total rose 3.5% to $63.68, a sizeable increase, but still not as large an increase as in recent years. All three areas experienced their peak price level in August with Norfolk at $61.70, Richmond at $63.16 and Northern Virginia at $66.03. Norfolk and Northern Virginia both recorded their lowest totals in January at $58.67 and $59.59 respectively while Richmond's low of $60.37 occurred in March.

RETAIL FOOD PRICE COMPARISON - JANUARY 1982 - DECEMBER 1982

COMMODITY AND UNIT		RICHMOND			NORFOLK - VIRGINIA BEACH - PORTSMOUTH			NORTHERN VIRGINIA		
		Jan. 1982	Dec. 1982	Change (Cents)	Jan. 1982	Dec. 1982	Change (Cents)	Jan. 1982	Dec. 1982	Change (Cents)
CEREAL AND BAKERY PRODUCTS										
Flour	5 lb.	105.8	109.0	3.2	106.7	105.9	- .8	116.6	124.5	7.9
Cracker Meal	9 ½ oz.	99.0	109.0	10.0	99.0	109.1	10.1	104.0	109.1	5.1
Corn Flakes	12 oz.	97.0	94.4	- 2.6	92.1	89.0	- 3.1	97.8	95.4	- 2.4
Rolled Oats	18 oz.	91.3	96.8	5.5	90.7	93.0	2.3	89.7	101.2	11.5
Rice	lb.	57.5	53.6	- 3.9	62.4	54.4	- 8.0	59.2	56.9	- 2.3
Bread, white	lb.	68.1	68.1	0.0	68.5	68.5	0.0	72.9	78.9	6.0
Vanilla Cookies	12 oz.	118.8	122.8	4.0	111.5	123.3	11.8	117.5	121.8	4.3
Crackers, soda	lb.	91.8	113.7	21.9	88.2	104.0	15.8	86.5	98.9	12.4
MEATS, POULTRY AND FISH										
Beef and Veal:										
Round Steak, U.S. Choice	lb.	323.2	326.0	2.8	307.7	313.4	5.7	322.3	348.1	25.8
Rib Roast, U.S. Choice sm. end	lb.	342.4	314.5	-27.9	334.0	364.0	30.0	323.5	342.3	18.8
Chuck Roast, U.S. Choice	lb.	159.0	160.6	1.6	152.6	165.0	12.4	165.6	190.3	24.7
Hamburger	lb.	144.7	153.6	8.9	150.2	145.8	- 4.4	148.4	158.4	10.0
Veal Cutlets, U.S. Choice	lb.	730.5	699.2	- 31.3	605.9	639.6	33.7	697.3	751.9	54.6
Pork:										
Chops Center Cut	lb.	237.7	238.7	1.0	233.3	231.5	- 1.8	240.0	205.7	- 34.3
Bacon, sliced	lb.	193.9	219.8	25.9	176.0	226.0	50.0	191.1	237.8	46.7
Ham, whole	lb.	145.4	176.2	30.8	151.7	174.2	22.5	138.6	159.2	20.6
Sausage	lb.	158.4	173.5	15.1	151.4	184.8	33.4	155.4	184.1	28.7
Other Meats:										
Canned Ham	lb.	214.8	275.4	33.6	244.5	297.9	53.4	269.3	291.8	22.5
Bologna Sausage	½ lb.	112.6	122.0	9.4	107.4	107.8	.4	116.3	129.5	13.2
Frankfurters	lb.	173.6	174.4	.8	157.5	188.2	30.7	186.2	186.7	.5
Fryers, dressed & drawn	lb.	56.2	61.3	5.1	59.1	60.7	1.6	56.5	68.1	11.6
Fish:										
Ocean Perch Fillet, frozen	lb.	201.6	216.3	14.7	211.4	202.2	- 9.2	205.4	211.4	6.0
Haddock Fillet, frozen	lb.	254.5	266.6	12.1	254.6	288.0	33.4	264.2	263.9	- .3
Tuna	6 ½ oz. can	103.0	96.7	- 6.3	101.8	85.7	- 16.1	100.2	98.9	- 1.3
Salmon	lb. can	235.4	241.5	6.1	228.0	221.1	- 6.9	252.1	254.2	2.1
Sardines	3 3/4 oz.	89.7	90.0	.3	86.3	87.0	.7	94.9	94.8	- .1
DAIRY PRODUCTS										
Butter	lb.	205.7	210.5	4.8	211.1	217.4	6.3	208.6	215.1	6.5
Cheese, American process	½ lb.	120.2	125.9	5.7	120.2	124.7	4.5	124.1	130.0	5.9
Milk, fresh (grocery)	½ gal.	107.6	117.8	10.2	122.2	123.5	1.3	100.5	100.2	- .3
Ice Cream	½ gal.	239.0	247.2	8.2	245.1	255.2	10.1	233.2	239.7	6.5
Milk, evaporated	14 ½ oz. can	50.7	54.0	3.3	51.8	52.4	.6	53.5	58.6	5.1
EGGS, fresh grade A large	doz.	89.4	85.0	- 4.4	90.7	85.8	- 4.9	97.9	97.9	0.0
FRUITS AND VEGETABLES										
Frozen:										
Orange Juice, concentrate	6 oz.	63.3	72.7	9.4	63.6	67.3	3.7	62.9	71.6	8.7
Lemonade, concentrate	6 oz.	36.0	38.7	2.7	37.7	41.7	4.0	44.2	40.9	- 3.3
Peas	10 oz.	53.4	56.4	3.0	53.6	57.0	3.4	57.5	57.4	- .1
Beans, green	9 oz.	54.2	54.8	.6	49.5	51.9	2.4	56.3	58.7	2.4
Broccoli	10 oz.	64.9	66.2	1.3	67.0	68.5	1.5	71.0	65.9	- 5.1
Potatoes, French fried	9 oz.	39.7	37.0	- 2.7	39.6	39.5	- .1	39.4	39.6	.2
Fresh:										
Apples, winesap	lb.	55.3	51.2	- 4.1	54.9	47.0	- 7.9	54.0	23.3	- 30.7
Bananas	lb.	35.9	35.8	- .1	35.1	31.3	- 3.8	36.6	29.3	- 7.3
Oranges - size 200	doz.	128.0	164.1	36.1	154.3	166.6	12.3	142.7	149.7	7.0
Beans, green	lb.	96.1	81.0	- 15.1	89.4	72.3	- 17.1	104.4	86.4	- 18.0
Cabbage	lb.	26.7	15.9	- 10.8	25.6	14.2	- 11.4	25.7	15.1	- 10.6
Carrots	1 lb. cello bag	43.9	31.2	- 12.7	43.0	31.2	- 11.8	44.7	34.6	- 10.1
Celery	stalk	69.7	57.5	- 12.2	65.6	60.1	- 5.5	81.9	66.7	- 15.2
Lettuce - size 48	head	86.7	88.6	1.9	78.4	81.0	2.6	96.9	74.2	- 22.7
Onions	lb.	35.6	20.7	- 14.9	32.4	22.5	- 9.9	35.2	21.1	- 14.1
Potatoes	10 lb.	149.3	119.3	- 30.0	163.2	115.8	- 47.4	168.7	149.8	- 18.9
Sweet Potatoes	lb.	45.5	26.8	- 18.7	38.4	23.8	- 14.6	44.8	29.5	- 15.3
Tomatoes	lb.	68.5	94.5	26.0	69.3	86.5	17.2	64.2	63.2	- 1.0
Canned:										
Peaches	No. 2 ½ can	103.9	108.6	4.7	98.7	99.1	.4	100.9	109.7	8.8
Fruit Cocktail	No. 303 can	78.1	85.6	7.5	72.8	78.5	5.7	69.6	82.3	12.7
Corn	No. 303 can	52.4	54.3	1.9	51.7	53.6	1.9	49.2	54.9	5.7
Tomatoes	No. 303 can	46.0	46.4	.4	42.1	44.3	2.2	52.7	61.4	8.7
Peas, fancy	No. 303 can	51.0	52.0	1.0	53.3	52.4	- .9	50.8	53.7	2.9
Beets, sliced	No. 303 can	44.3	45.7	1.4	45.6	45.1	- .5	52.5	49.6	- 2.9
Bean Soup	11 ½ oz. can	41.2	38.6	- 2.6	41.6	39.9	- 1.7	40.5	41.8	1.3
Tomato Soup	10 3/4 oz. can	27.5	27.9	.4	27.5	27.8	.3	26.9	31.8	4.9
Baby Foods, strained	4 3/4 oz.	25.1	25.6	.5	23.8	24.9	1.1	24.7	28.4	3.7
Dried:										
Navy Beans	lb.	64.1	47.3	- 16.8	67.7	46.1	- 21.6	68.8	65.1	- 3.7
BEVERAGES										
Coffee	lb.	250.3	254.4	4.1	257.6	251.0	- 6.6	244.5	279.5	35.0
Coffee, instant	6 oz.	296.9	313.6	16.7	290.5	304.0	13.5	301.6	350.2	48.6
Tea	48 bags	137.2	143.0	5.8	142.6	137.0	- 5.6	146.0	149.9	3.9
Cola Drink	16 oz.	1/	1/	1/	1/	1/	1/	1/	1/	1/
FATS AND OILS										
Salad and Cooking Oil	pt.	109.2	102.1	- 7.1	103.2	94.3	- 8.9	113.7	112.8	- .9
Shortening	3 lb.	230.5	224.4	- 6.1	229.3	226.2	- 3.1	224.9	249.8	24.9
Salad Dressing	pt.	99.5	101.2	1.7	99.4	99.3	- .1	95.2	103.2	8.0
Peanut Butter	16 oz.	188.6	187.2	- 1.4	188.6	176.5	- 12.1	206.2	198.7	- 7.5
Margarine	lb.	71.0	70.9	- .1	70.9	62.7	- 8.2	69.2	71.1	1.9
SUGAR AND SWEETS										
Sugar, granulated	5 lb.	165.6	186.4	20.8	172.1	168.1	- 4.0	176.8	215.8	39.0
Grape Jelly	10 oz.	82.3	82.6	.3	83.0	84.4	1.4	89.1	92.3	3.2

1/ January and December bottle size not comparable.

COMMODITY AND UNIT		RICHMOND Jan. 1983	RICHMOND Dec. 1983	RICHMOND Change (Cents)	NORFOLK - VIRGINIA BEACH - PORTSMOUTH Jan. 1983	NORFOLK - VIRGINIA BEACH - PORTSMOUTH Dec. 1983	NORFOLK - VIRGINIA BEACH - PORTSMOUTH Change (Cents)	NORTHERN VIRGINIA Jan. 1983	NORTHERN VIRGINIA Dec. 1983	NORTHERN VIRGINIA Change (Cents)
CEREAL AND BAKERY PRODUCTS										
Flour	5 lb.	114.8	94.9	- 19.9	103.0	91.5	- 11.5	125.4	118.2	- 7.2
Cracker Meal	9 ½ oz.	110.2	118.8	8.6	109.0	118.8	9.8	109.1	112.2	3.1
Corn Flakes	12 oz.	98.0	99.9	1.9	87.4	90.3	2.9	95.4	103.9	8.5
Rolled Oats	18 oz.	100.2	100.2	0.0	92.9	96.5	3.6	101.3	105.0	3.7
Rice	lb.	52.3	51.8	- .5	52.7	55.1	2.4	56.9	57.0	.1
Bread, white	lb.	74.7	68.7	- 6.0	69.4	78.9	9.5	79.0	82.4	3.4
Vanilla Cookies	12 oz.	120.3	130.3	10.0	119.3	126.5	7.2	122.2	117.8	- 4.4
Crackers, soda	lb.	103.0	107.5	4.5	94.3	104.0	9.7	92.0	105.7	13.7
MEATS, POULTRY AND FISH										
Beef and Veal:										
Round Steak, U.S. Choice	lb.	318.4	308.8	- 9.6	316.1	293.0	- 23.1	366.3	331.4	- 34.9
Rib Roast, U.S. Choice sm. end	lb.	330.0	315.6	- 14.4	367.4	328.2	- 39.2	355.2	367.0	11.8
Chuck Roast, U.S. Choice	lb.	160.4	144.4	- 16.0	174.3	131.5	- 42.8	151.6	191.7	40.1
Hamburger	lb.	160.0	148.5	- 11.5	137.6	149.7	12.1	167.0	137.3	- 29.7
Veal Cutlets, U.S. Choice	lb.	688.3	724.8	36.5	639.6	680.2	40.6	767.8	750.1	- 17.7
Pork:										
Chops Center Cut	lb.	255.8	227.4	- 28.4	251.2	228.6	- 22.6	198.5	273.0	74.5
Bacon, sliced	lb.	208.9	185.3	- 23.6	228.4	185.8	- 42.6	237.3	183.9	- 53.4
Ham, whole	lb.	166.9	138.4	- 28.5	176.1	137.2	- 38.9	157.0	140.2	- 16.8
Sausage	lb.	188.7	132.3	- 56.4	189.7	142.8	- 46.9	180.3	144.9	- 35.4
Other Meats:										
Canned Ham	lb.	294.4	236.0	- 58.4	287.7	278.5	- 9.2	280.4	267.4	- 13.0
Bologna Sausage	½ lb.	114.3	104.5	- 9.8	113.3	107.8	- 5.5	131.3	129.3	- 2.0
Frankfurters	lb.	171.6	161.8	- 9.8	184.5	175.7	- 8.8	181.1	183.0	1.9
Fryers, dressed & drawn	lb.	67.0	82.6	15.6	64.4	79.0	14.6	53.7	80.3	26.6
Fish:										
Ocean Perch Fillet, frozen	lb.	208.5	213.7	5.2	211.1	218.9	7.8	212.9	214.6	1.7
Haddock Fillet, frozen	lb.	262.8	262.9	.1	267.3	278.3	11.0	265.7	276.5	10.8
Tuna	6 ½ oz. can	106.1	92.4	- 13.7	90.5	85.2	- 5.3	96.8	98.2	1.4
Salmon	lb. can	229.5	239.0	9.5	221.0	222.1	1.1	257.9	247.2	- 10.7
Sardines	3 3/4 oz.	89.9	93.3	3.4	87.8	87.7	- .1	95.7	97.6	1.9
DAIRY PRODUCTS										
Butter	lb.	214.6	223.3	8.7	217.7	230.3	12.6	215.2	222.8	7.6
Cheese, American process	½ lb.	126.3	127.7	1.4	126.7	130.1	3.4	129.9	133.1	3.2
Milk, fresh (grocery)	½ gal.	117.6	118.2	.6	123.0	122.7	- .3	100.0	104.8	4.8
Ice Cream	½ gal.	254.9	245.9	- 9.0	257.3	262.2	4.9	239.7	249.0	9.3
Milk, evaporated	14 ½ oz. can	55.8	54.5	- 1.3	52.2	51.0	- 1.2	59.4	65.6	6.2
EGGS, fresh grade A large	doz.	88.0	117.3	29.3	84.6	115.0	30.4	80.2	126.8	46.6
FRUITS AND VEGETABLES										
Frozen:										
Orange Juice, concentrate	6 oz.	71.1	71.5	.4	63.4	69.0	5.6	67.8	68.3	.5
Lemonade, concentrate	6 oz.	39.3	39.4	.1	41.3	40.4	- .9	40.2	40.8	.6
Peas	10 oz.	58.0	58.2	.2	57.3	59.4	2.1	58.6	64.6	6.0
Beans, green	9 oz.	55.2	53.1	- 2.1	52.3	56.1	3.8	57.6	58.3	.7
Broccoli	10 oz.	69.2	66.8	- 2.4	67.5	64.8	- 2.7	70.0	73.8	3.8
Potatoes, French fried	9 oz.	39.4	42.6	3.2	39.2	40.4	1.2	44.6	49.7	5.1
Fresh:										
Apples, winesap	lb.	52.3	53.5	1.2	50.9	57.2	6.3	27.3	59.4	32.1
Bananas	lb.	38.4	29.2	- 9.2	31.4	29.2	- 2.2	28.7	36.5	7.8
Oranges - size 200	doz.	148.6	174.5	25.9	147.7	154.1	6.4	124.1	153.1	29.0
Beans, green	lb.	83.2	65.3	- 17.9	78.4	71.1	- 7.3	87.9	78.4	- 9.5
Cabbage	lb.	22.8	24.7	1.9	21.7	22.0	.3	18.0	32.3	14.3
Carrots	1 lb. cello bag	36.7	48.3	11.6	34.3	41.6	7.3	33.0	43.5	10.5
Celery	stalk	64.2	81.3	17.1	54.3	69.8	15.5	66.6	91.8	25.2
Lettuce - size 48	head	66.2	93.7	27.5	53.8	81.8	28.0	68.6	82.5	13.9
Onions	lb.	21.6	33.5	11.9	22.3	37.6	15.3	16.3	39.6	23.3
Potatoes	10 lb.	131.3	214.2	82.9	111.6	188.1	76.5	135.5	162.8	27.3
Sweet Potatoes	lb.	25.5	36.7	11.2	21.7	39.5	17.8	31.3	42.6	11.3
Tomatoes	lb.	90.9	54.9	- 36.0	78.6	60.4	- 18.2	61.8	67.0	5.2
Canned:										
Peaches	No. 2 ½ can	110.9	118.2	7.3	98.9	105.5	6.6	109.9	125.4	15.5
Fruit Cocktail	No. 303 can	87.7	87.1	- .6	76.9	84.5	7.6	79.0	92.5	13.5
Corn	No. 303 can	54.8	57.3	2.5	53.9	53.8	- .1	56.7	64.5	7.8
Tomatoes	No. 303 can	46.2	45.8	- .4	43.9	41.4	- 2.5	62.8	60.5	- 2.3
Peas, fancy	No. 303 can	53.8	61.4	7.6	53.6	55.0	1.4	55.4	65.2	9.8
Beets, sliced	No. 303 can	43.2	44.4	1.2	43.6	43.5	- .1	51.6	43.8	- 7.8
Bean Soup	11 ½ oz. can	41.3	43.5	2.2	40.1	42.3	2.2	41.8	45.2	3.4
Tomato Soup	10 3/4 oz. can	30.0	29.7	- .3	27.2	26.6	- .6	31.8	32.7	.9
Baby Foods, strained	4 3/4 oz.	26.6	26.3	- .3	24.7	23.9	- .8	28.0	31.9	3.9
Dried:										
Navy Beans	lb.	39.0	53.4	14.4	40.6	59.0	18.4	64.3	58.1	- 6.2
BEVERAGES										
Coffee	lb.	258.8	251.2	- 7.6	249.0	241.5	- 7.5	278.7	300.4	21.7
Coffee, instant	6 oz.	309.5	319.1	9.6	303.1	309.5	6.4	341.1	377.6	36.5
Tea	48 bags	143.0	152.9	9.9	135.6	150.5	14.9	150.7	167.0	16.3
Cola Drink (6 N/R Bottles)	16 oz.	259.4	233.6	- 25.8	266.2	259.2	- 7.0	257.7	220.0	- 37.7
FATS AND OILS										
Salad and Cooking Oil	pt.	103.9	118.5	14.6	93.2	112.5	19.3	111.5	130.8	19.3
Shortening	3 lb.	240.7	288.3	47.6	228.7	275.3	46.6	262.8	304.3	41.5
Salad Dressing	pt.	108.4	115.4	7.0	98.9	114.2	15.3	103.2	131.3	28.1
Peanut Butter	16 oz.	178.6	177.0	- 1.6	177.2	177.0	- .2	198.9	193.7	- 5.2
Margarine	lb.	79.8	76.4	- 3.4	66.3	70.1	3.8	71.1	68.6	- 2.5
SUGAR AND SWEETS										
Sugar, granulated	5 lb.	191.4	188.3	- 3.1	172.9	172.0	- .9	215.8	221.8	6.0
Grape Jelly	10 oz.	84.3	84.1	- .2	83.7	85.2	1.5	92.4	93.2	.8

ANNUAL SURVEY OF VIRGINIA MANUFACTURES
1981
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	414.0	$7,095,096	315.6	$4,369,040	$17,925,414	$1,629,595	$1,408,979
Durable Goods	189.4	3,592,251	142.2	1,994,097	6,654,290	476,571	391,176
Lumber and Wood Products	21.6	255,628	18.0	180,040	514,270	41,459	24,287
Logging Camps and Logging Contractors--Sawmills and Planing Mills	9.7	102,462	8.1	77,104	242,400	25,814	11,739
Millwork, Plywood and Structural Members	5.6	75,148	4.6	51,295	117,226	5,206	7,304
Wood Containers	1.8	17,036	1.6	13,111	26,827	2,105	1,409
Wood Buildings and Mobile Homes	2.2	28,149	1.6	13,952	58,436	2,435	1,022
Miscellaneous Wood Products	2.4	32,832	2.1	24,578	69,380	5,898	2,813
Furniture and Fixtures	25.7	265,539	21.8	191,473	486,070	23,155	16,624
Household Furniture and Office Furniture	24.4	249,785	20.7	181,117	457,835	21,924	16,200
Stone, Clay, and Glass Products	12.9	193,208	10.1	134,897	335,933	39,210	31,978
Structural Clay Products	.7	8,199	.6	5,838	11,011	649	46
Concrete, Gypsum, and Plaster Products	6.9	98,228	5.4	67,537	204,545	21,130	21,366
Glass and Glass Products	2.1	37,084	1.7	26,212	63,479	12,922	6,414
Primary Metal Industries	12.0	247,170	6.8	125,517	396,836	23,423	29,866
Fabricated Metal Products	19.9	386,957	13.1	215,155	731,889	35,652	28,171
Cutlery, Hand Tools, and Hardware	1.1	23,448	.9	15,402	71,119	2,793	2,978
Fabricated Structural Metal Products	12.6	240,377	7.2	103,601	362,892	17,467	8,868
Machinery, except Electrical	15.7	271,783	10.9	156,816	581,025	55,619	50,040
Construction and Related Machinery	5.1	88,290	3.1	49,257	212,131	12,239	10,920
Special Industry Machinery	1.9	38,692	1.2	19,634	77,233	4,428	6,617
Office and Computing Machines	.4	7,798	.2	3,360	15,405	1,442	995
Refrigeration and Service Machinery	2.0	31,455	1.3	14,257	54,853	2,316	1,255
Miscellaneous Machinery, except Electrical	2.9	49,867	2.5	38,389	82,579	8,144	3,757
Electric and Electronic Equipment	36.5	1,127,274	24.0	354,940	1,960,525	157,437	186,206
Electrical Industrial Apparatus	11.4	668,448	7.3	116,458	587,446	43,187	44,978
Communication Equipment	10.1	182,970	6.2	93,490	485,374	58,576	70,331
Electronic Components and Accessories	6.3	134,878	3.9	53,484	213,795	33,505	47,054
Transportation Equipment	38.7	753,812	33.0	580,679	1,503,987	93,802	18,486
Instruments and Related Products	3.8	59,430	2.5	31,968	113,658	3,652	3,820
Miscellaneous Manufacturing Industries	2.7	31,450	2.2	22,612	30,097	3,162	1,698
Nondurable Goods	224.5	3,502,845	173.4	2,373,943	11,271,124	1,153,024	1,017,803
Food and Kindred Products	40.4	558,796	30.2	365,955	2,533,694	93,202	76,255
Meat Products	13.5	156,588	11.6	131,642	967,592	16,473	14,686
Dairy Products	2.5	42,292	1.4	20,066	114,230	9,087	11,877
Preserved Fruits and Vegetables	3.6	50,321	3.2	41,451	160,456	4,739	6,350
Grain Mill Products	1.4	22,322	1.0	12,770	65,696	3,362	8,855
Bakery Products	4.8	84,590	2.5	42,655	380,296	11,616	11,411
Beverages	5.5	124,479	2.5	60,234	638,189	39,920	12,532
Miscellaneous Foods and Kindred Products	6.8	51,084	6.0	39,179	125,719	6,632	6,519
Tobacco Manufactures	18.5	420,790	13.1	269,050	1,356,385	345,471	336,541
Tobacco Stemming and Redrying	2.3	36,003	1.7	20,281	81,350	13,471	11,076
Textile Mill Products	44.6	539,177	39.6	435,586	1,188,455	76,009	50,521
Weaving Mills, Including Narrow Fabrics	19.0	263,016	16.7	215,268	613,702	43,111	24,892
Knitting Mills	14.7	153,398	13.4	123,130	316,201	12,534	12,164
Textile Finishing, except Wool	4.7	59,853	4.1	47,382	105,878	10,741	2,458
Yarn and Thread Mills	2.5	25,830	2.2	21,722	41,324	6,041	9,801
Miscellaneous Textile Goods	1.2	15,024	1.0	11,474	69,494	2,344	1,206
Apparel and Other Textile Products	32.7	281,339	29.5	237,897	830,368	6,376	5,221
Men's and Boys' Clothing	11.5	98,661	10.5	87,547	203,539	3,209	975
Women's and Misses' Outerwear	11.0	92,013	9.8	79,348	438,481	1,038	2,282
Women's and Children's Undergarments	2.3	16,752	2.1	15,144	24,444	149	43
Children's Outerwear	4.6	42,280	4.3	33,616	102,268	278	107
Miscellaneous Fabricated Textile Products	1.6	16,298	1.2	10,465	31,219	682	349
Paper and Allied Products	15.3	326,380	11.7	228,416	1,090,553	174,115	113,583
Pulp, Paper and Paperboard Mills, except Building Paper	8.0	202,442	5.6	140,656	843,811	147,185	96,535
Miscellaneous Converted Paper Products	2.9	46,747	2.5	33,121	94,061	7,929	3,138
Paperboard Containers and Boxes	3.9	70,928	3.3	53,550	135,654	19,000	13,523
Printing and Publishing	23.3	364,014	14.0	204,146	786,349	86,154	66,876
Newspapers and Periodicals	8.5	121,244	3.0	38,892	238,353	33,560	10,802
Commercial Printing	9.4	161,163	7.2	113,941	331,363	41,548	40,514
Chemicals and Allied Products	33.9	746,196	22.7	443,747	2,580,832	301,979	278,923
Industrial Inorganic Chemicals	1.0	20,968	.5	8,363	78,631	42,478	20,636
Plastics Materials and Synthetics	20.8	475,872	15.3	309,555	1,217,100	185,545	102,557
Drugs	3.2	74,486	1.4	30,137	654,413	42,864	124,794
Agricultural Chemicals	1.2	16,945	.7	7,849	60,266	3,710	2,459
Miscellaneous Chemical Products	4.2	95,139	2.7	54,697	272,422	20,564	17,975
Petroleum and Coal Products--Rubber and Miscellaneous Plastics Products	12.3	236,491	9.4	165,367	817,894	68,446	88,970
Miscellaneous Plastics Products	6.2	107,676	4.7	72,596	350,239	24,482	56,867
Tires and Fabricated Rubber Products	5.7	118,033	4.5	86,390	466,990	33,925	28,157
Leather and Leather Products	3.7	29,662	3.2	23,779	86,594	1,272	913

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

ANNUAL SURVEY OF VIRGINIA MANUFACTURES
1982
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	397.2	$6,871,654	298.6	$4,332,879	$17,357,430	$1,523,072	$1,282,336
Durable Goods	178.3	3,248,348	130.8	1,940,029	6,661,267	466,717	395,768
Lumber and Wood Products	19.0	240,773	15.9	173,468	466,944	30,397	31,023
Logging Camps and Logging--Contractors Sawmills and Planing Mills	8.6	98,160	7.4	75,026	202,732	18,567	13,906
Millwork, Plywood and Structural Members	4.8	74,030	3.8	50,785	113,558	5,012	8,857
Wood Containers	1.6	16,451	1.4	12,753	28,947	2,166	711
Wood Buildings and Mobile Homes	1.7	22,305	1.4	13,210	44,273	1,880	3,047
Miscellaneous Wood Products	2.3	29,825	1.9	21,693	77,433	2,772	4,501
Furniture and Fixtures	23.4	255,924	19.8	183,279	473,162	24,442	14,536
Household Furniture and Office Furniture	22.3	240,217	19.0	174,293	451,112	18,912	13,833
Stone, Clay, and Glass Products	11.6	169,004	8.9	115,594	330,373	22,921	28,866
Concrete, Gypsum, and Plaster Products	6.0	84,910	4.6	59,349	176,641	11,278	10,598
Primary Metal Industries	10.6	229,358	6.1	111,528	341,473	24,780	16,338
Fabricated Metal Products	18.5	372,972	11.5	187,205	751,178	32,601	14,817
Cutlery, Hand Tools, and Hardware	1.3	25,974	1.0	16,855	72,420	3,794	1,692
Fabricated Structural Metal Products	11.6	234,144	6.0	87,927	353,314	17,722	8,058
Machinery, except Electrical	15.0	280,768	10.5	165,896	556,648	57,486	20,993
Construction and Related Machinery	4.4	87,224	2.7	49,283	182,872	10,328	3,372
Special Industry Machinery	1.8	41,074	1.0	19,806	70,455	4,385	4,016
Office and Computing Machines	1.0	19,475	.8	12,472	31,380	4,070	2,397
Refrigeration and Service Machinery	2.0	31,856	1.4	18,734	72,659	1,764	1,601
Miscellaneous Machinery, except Electrical	3.0	53,132	2.4	37,507	91,175	7,344	4,480
Electric and Electronic Equipment	36.4	798,878	22.1	343,533	2,025,400	182,192	242,364
Electrical Industrial Apparatus	10.8	244,096	6.5	117,847	493,829	70,264	42,161
Radio and TV Receiving Equipment	3.1	57,702	2.5	36,370	327,717	6,398	7,837
Communication Equipment	10.5	213,445	6.1	84,705	456,842	44,754	35,494
Electronic Components and Accessories	6.9	193,660	3.3	53,316	338,822	49,364	139,812
Transportation Equipment	37.9	809,923	32.0	609,557	1,532,525	85,944	20,863
Instruments and Related Products	3.4	55,786	2.1	26,895	113,288	4,012	3,210
Miscellaneous Manufacturing Industries	2.6	34,962	2.1	23,075	70,276	1,942	2,757
Nondurable Goods	218.8	3,623,306	167.8	2,392,850	10,696,163	1,056,355	886,568
Food and Kindred Products	39.9	533,929	30.0	329,123	1,604,466	182,451	107,795
Meat Products	13.2	150,018	11.1	117,525	288,651	24,966	23,742
Dairy Products	2.5	41,819	1.4	23,668	129,668	8,943	8,637
Preserved Fruits and Vegetables	3.4	47,607	3.2	38,931	138,146	7,126	6,386
Grain Mill Products	1.2	16,304	.8	8,764	36,744	3,705	3,086
Bakery Products	4.7	87,506	2.6	46,645	437,426	6,515	13,140
Beverages	5.5	94,008	2.6	29,969	330,165	20,291	11,320
Miscellaneous Foods and Kindred Products	7.1	61,841	6.2	42,178	177,028	14,347	8,579
Tobacco Manufactures	18.2	469,969	12.6	303,443	1,819,743	213,996	165,083
Tobacco Stemming and Redrying	2.2	37,338	1.3	20,187	97,030	8,659	7,444
Textile Mill Products	42.9	519,043	37.3	417,396	1,048,537	112,653	63,216
Broad Woven Fabric Mills	17.6	232,006	15.4	187,425	484,992	67,739	25,725
Knitting Mills	15.8	170,028	13.8	136,668	321,019	30,396	34,096
Textile Finishing, except Wool	3.9	49,004	3.4	40,328	82,444	5,970	330
Yarn and Thread Mills	2.4	26,007	2.1	21,180	40,879	4,521	2,476
Miscellaneous Textile Goods	1.2	16,065	.9	11,746	61,752	2,023	588
Apparel and Other Textile Products	31.0	278,359	28.7	238,982	710,342	10,990	7,510
Men's and Boys' Clothing	10.4	89,383	9.8	79,979	209,599	3,963	2,705
Women's and Misses' Outerwear	10.8	94,427	10.0	85,797	310,896	991	1,021
Women's and Children's Undergarments	2.1	16,304	2.0	14,675	40,963	264	-
Children's Outerwear	4.1	37,774	3.8	33,724	72,410	795	386
Miscellaneous Fabricated Textile Products	1.8	19,090	1.4	12,721	39,380	3,350	2,788
Paper and Allied Products	14.6	330,969	11.1	219,891	980,972	85,947	108,823
Paper and Paperboard, except Building Paper	7.7	206,809	5.3	128,563	727,058	70,946	91,589
Miscellaneous Converted Paper Products	2.8	48,576	2.3	34,068	94,067	1,643	1,643
Paperboard Containers and Boxes	3.6	67,909	3.1	52,727	125,569	12,167	14,893
Printing and Publishing	23.8	421,337	14.5	241,076	1,070,842	71,828	81,936
Newspapers and Periodicals	8.7	134,382	3.0	37,708	293,142	24,365	34,381
Commercial Printing	9.7	188,013	7.7	137,861	385,320	38,700	39,296
Chemicals and Allied Products	32.9	787,130	21.5	445,653	2,542,750	294,926	299,295
Industrial Inorganic Chemicals	1.3	34,756	.4	9,819	116,828	32,137	41,364
Plastics Materials and Synthetics	19.7	499,632	14.5	321,470	1,061,371	136,392	122,041
Drugs	3.4	88,076	1.2	27,881	873,172	112,228	124,732
Agricultural Chemicals	.9	13,648	.6	5,782	45,270	1,568	1,344
Miscellaneous Chemical Products	4.3	89,314	2.5	43,875	142,586	5,338	4,951
Petroleum and Coal Products--Rubber and Miscellaneous Plastics Products	12.1	254,123	9.1	174,674	843,316	82,929	52,861
Miscellaneous Plastics Products	6.3	121,390	4.7	80,734	368,625	52,573	34,886
Tires and Fabricated Rubber Products	5.4	120,373	4.1	86,299	399,610	26,326	12,424
Leather and Leather Products	3.5	28,446	3.0	22,610	75,195	635	49

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

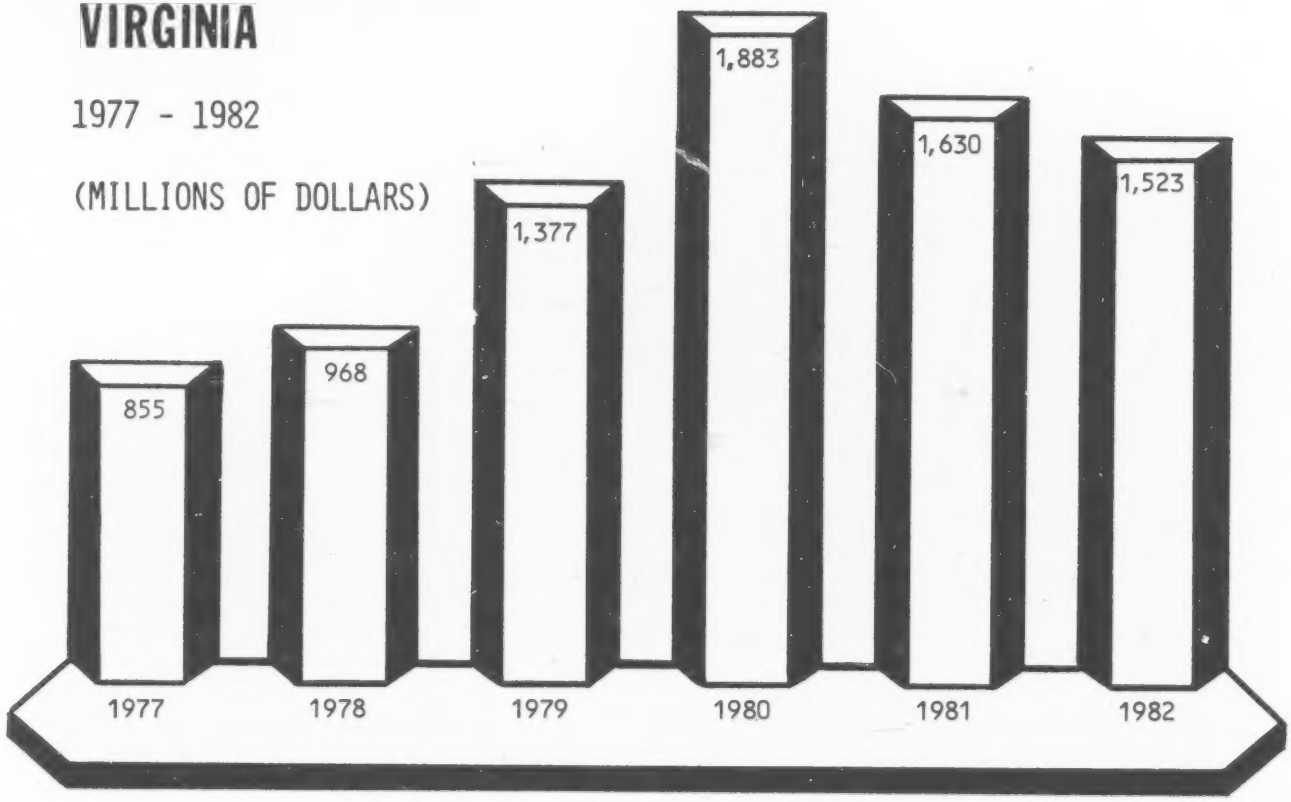
3/ Projected on the basis of survey employment to estimated annual average.

NOTE: Detail may not add to totals due to rounding.

CAPITAL EXPENDITURES
VIRGINIA

1977 - 1982

(MILLIONS OF DOLLARS)



ANNUAL SURVEY OF MANUFACTURES
BRISTOL STANDARD METROPOLITAN STATISTICAL AREA
1981
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	9.4	$147,736	6.9	$100,458	$388,150	$16,012	$18,734
Durable Goods	4.8	95,461	3.6	68,576	274,309	8,468	9,924
Lumber and Wood Products--Furniture and Fixtures	.2	1,559	.1	1,255	2,980	364	99
Primary Metal Industries--Fabricated Metal Products	2.3	58,784	1.8	42,552	130,102	4,819	5,747
Other Durable Goods 4/	2.3	35,118	1.7	24,769	141,227	3,285	4,078
Nondurable Goods	4.6	52,275	3.3	31,882	113,841	7,544	8,810
Food and Kindred Products	1.8	24,903	.9	9,533	47,636	2,454	3,734
Apparel and Other Textile Products	1.9	14,331	1.7	12,193	22,078	330	113
Paper & Allied Products--Printing & Publishing	.4	4,542	.3	4,448	26,805	2,579	521
Other Nondurable Goods 5/	.5	8,499	.4	5,708	17,322	2,181	4,442

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; and transportation equipment.

5/ Includes tobacco manufactures; textile mill products; chemicals and allied products; and rubber and miscellaneous plastics products.

The Bristol Standard Metropolitan Statistical Area is comprised of the City of Bristol and the counties of Scott and Washington.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
BRISTOL STANDARD METROPOLITAN STATISTICAL AREA
1982
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	9.0	$135,887	6.8	$89,693	$460,538	$13,852	$12,823
Durable Goods	4.6	82,465	3.6	58,248	323,590	7,473	6,372
Lumber and Wood Products--Furniture and Fixtures	.2	1,221	.1	1,071	3,106	162	58
Primary Metal Industries--Fabricated Metal Products	2.1	44,778	1.6	32,634	132,894	2,504	3,001
Other Durable Goods 4/	2.3	36,466	1.9	24,543	187,590	4,807	3,313
Nondurable Goods	4.5	53,422	3.2	31,445	136,948	6,379	6,451
Food and Kindred Products	1.7	26,419	.9	9,543	65,182	2,532	2,123
Apparel and Other Textile Products	1.8	14,303	1.6	12,230	22,357	272	203
Paper and Allied Products--Printing and Publishing	.4	4,602	.3	3,202	27,493	706	511
Other Nondurable Goods 5/	.5	8,098	.4	6,470	21,916	2,869	3,614

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; and instruments and related products.

5/ Includes tobacco manufactures; textile mill products; chemicals and allied products; petroleum and coal products; and rubber and miscellaneous plastics products.

The Bristol Standard Metropolitan Statistical Area is comprised of the city of Bristol and the counties of Scott and Washington.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
LYNCHBURG STANDARD METROPOLITAN STATISTICAL AREA
1981
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	28.4	$446,391	19.4	$245,881	$844,596	$56,241	$41,911
Durable Goods	18.2	306,868	11.5	150,826	487,227	31,889	20,431
Lumber and Wood Products--Furniture and Fixtures	4.1	44,583	3.3	30,453	97,465	5,774	3,759
Other Durable Goods 4/	14.1	262,285	8.2	120,373	389,762	26,115	16,672
Nondurable Goods	10.2	139,523	7.9	95,055	357,369	24,352	21,480
Food and Kindred Products	1.5	23,564	.8	10,073	91,818	14,543	15,467
Textile Mill Products	1.9	27,059	1.6	21,507	74,945	1,877	-
Apparel and Other Textile Products	2.3	18,070	2.0	14,907	36,278	323	14
Paper and Allied Products	1.1	26,374	1.0	20,645	54,823	2,836	1,831
Other Nondurable Goods 5/	3.5	44,456	2.6	27,923	99,505	4,773	4,168

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes stone, clay, and glass products; primary metal industries; fabricated metal products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes tobacco manufactures; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; and leather and leather products.

The Lynchburg Standard Metropolitan Statistical Area is comprised of the city of Lynchburg and the counties of Amherst, Campbell, and Appomattox.

ANNUAL SURVEY OF MANUFACTURES
LYNCHBURG STANDARD METROPOLITAN STATISTICAL AREA
1982
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	26.6	$460,769	18.0	$240,665	$854,573	$48,122	$53,233
Durable Goods	16.9	325,076	10.5	152,576	470,514	27,059	23,888
Lumber and Wood Products--Furniture and Fixtures	3.7	39,639	3.0	26,344	76,439	6,766	3,726
Other Durable Goods 4/	13.2	285,437	7.5	126,232	394,075	20,293	20,162
Nondurable Goods	9.7	135,694	7.5	88,088	384,059	21,064	29,345
Food and Kindred Products	1.4	28,034	.8	9,750	134,175	9,924	11,997
Apparel and Other Textile Products	2.2	17,912	2.0	15,470	34,153	50	12
Paper and Allied Products	1.0	24,407	.9	19,147	47,772	1,178	1,533
Other Nondurable Goods 5/	5.0	65,341	3.8	43,720	167,960	9,912	15,803

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes stone, clay, and glass products; primary metal industries; fabricated metal products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes tobacco manufactures; textile mill products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; and leather and leather products.

The Lynchburg Standard Metropolitan Statistical Area is comprised of the city of Lynchburg and the counties of Amherst, Campbell, and Appomattox.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
NORFOLK-VIRGINIA BEACH-PORTSMOUTH STANDARD METROPOLITAN STATISTICAL AREA
1981
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	29.3	$473,176	22.5	$316,232	$1,103,488	$100,817	$60,869
Durable Goods	18.0	330,094	14.9	236,846	760,173	45,428	25,931
Lumber and Wood Products	1.5	21,717	1.3	17,317	40,619	2,566	2,398
Stone, Clay, and Glass Products	1.6	24,881	1.2	15,382	52,887	4,017	1,718
Fabricated Metal Products	1.1	15,744	.7	8,770	24,676	1,019	348
Machinery, except Electrical	1.4	22,199	1.1	12,854	63,616	12,810	10,837
Transportation Equipment	7.8	166,328	7.0	132,568	421,076	18,480	2,378
Other Durable Goods 4/	4.6	79,225	3.6	49,955	157,299	6,536	8,252
Nondurable Goods	11.3	143,082	7.6	79,386	343,315	55,389	34,938
Food and Kindred Products	5.4	56,081	3.8	32,084	133,897	7,605	12,495
Apparel and Other Textile Products	1.0	10,743	.8	7,823	25,985	909	1,275
Printing and Publishing	2.4	36,852	1.2	18,661	48,910	18,460	3,707
Chemicals and Allied Products	1.2	19,904	.6	8,659	78,564	22,451	11,790
Other Nondurable Goods 5/	1.1	19,502	1.0	12,159	55,959	5,964	5,671

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes furniture and fixtures; primary metal industries; electric and electronic equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes tobacco manufactures; textile mill products; paper and allied products; petroleum and coal products; rubber and miscellaneous plastics products; and leather and leather products.

The Norfolk-Virginia Beach-Portsmouth Standard Metropolitan Statistical Area is comprised of the cities of Norfolk, Portsmouth, Virginia Beach, Chesapeake, and Suffolk.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
NORFOLK-VIRGINIA BEACH-PORTSMOUTH STANDARD METROPOLITAN STATISTICAL AREA
1982
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	27.1	$463,948	20.9	$307,667	$1,198,358	$83,915	$63,368
Durable Goods	16.0	315,725	13.6	230,527	800,146	49,489	24,757
Lumber and Wood Products	1.3	20,054	1.2	15,523	33,563	460	2,337
Stone, Clay, and Glass Products	1.5	24,339	1.1	17,020	58,051	3,816	6,387
Fabricated Metal Products	1.0	15,680	.7	8,666	30,600	523	412
Machinery, except Electrical	1.3	20,951	1.1	13,146	65,367	20,525	2,809
Transportation Equipment	6.8	157,281	6.3	129,929	418,364	13,317	2,979
Other Durable Goods 4/	4.1	77,420	3.2	46,243	194,201	10,848	9,833
Nondurable Goods	11.0	148,223	7.4	77,140	398,212	34,426	38,611
Food and Kindred Products	5.3	60,075	3.8	34,964	179,170	12,626	13,168
Printing and Publishing	2.5	40,214	1.3	16,193	79,074	6,272	5,317
Chemicals and Allied Products	1.0	19,530	.5	6,838	63,478	13,859	17,710
Other Nondurable Goods 5/	2.2	28,404	1.7	19,145	76,490	1,669	2,416

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes furniture and fixtures; primary metal industries; electric and electronic equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes tobacco manufactures; textile mill product; apparel and other textile products; paper and allied products; petroleum and coal products; rubber and miscellaneous plastics products; and leather and leather products.

The Norfolk-Virginia Beach-Portsmouth Standard Metropolitan Statistical Area is comprised of the cities of Norfolk, Portsmouth, Virginia Beach, Chesapeake, and Suffolk.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
NORTHERN VIRGINIA METROPOLITAN AREA
1981
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	20.5	$394,871	10.9	$162,216	$715,517	$63,552	$97,880
Durable Goods	12.8	258,175	6.7	96,060	421,439	39,776	63,778
Stone, Clay, and Glass Products	1.1	14,696	.9	11,758	37,264	408	676
Fabricated Metal Products	1.1	21,116	.9	14,229	42,312	1.406	1,445
Machinery, except Electrical	.9	16,202	.6	8,638	28,515	1,272	967
Electric and Electronic Equipment	7.7	169,073	3.1	45,353	245,747	34,193	58,559
Other Durable Goods 4/	2.1	37,088	1.1	16,082	67,601	2,497	2,131
Nondurable Goods	7.7	136,696	4.2	66,156	294,078	23,776	34,102
Food and Kindred Products	1.1	20,095	.5	8,290	49,548	2,678	1,138
Printing and Publishing	5.1	85,670	3.1	48,387	161,706	13,636	26,650
Other Nondurable Goods 5/	1.5	30,931	.6	9,479	82,824	7,462	6,314

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes lumber and wood products; furniture and fixtures; primary metal industries; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes apparel and other textile products; paper and allied products; chemicals and allied products; petroleum and coal products; and rubber and miscellaneous plastics products.

The Northern Virginia Metropolitan Area covers the cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park and the counties of Arlington, Fairfax, Loudoun, and Prince William.

ANNUAL SURVEY OF MANUFACTURES
NORTHERN VIRGINIA METROPOLITAN AREA
1982
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	22.2	$502,556	10.5	$180,356	$1,238,019	$101,466	$175,906
Durable Goods	14.0	335,722	6.2	94,503	640,173	77,683	144,384
Stone, Clay, and Glass Products	.9	13,178	.7	9,130	46,858	1,055	1,507
Fabricated Metal Products	1.0	19,214	.8	12,284	23,829	1,739	934
Machinery, except Electrical	1.3	27,445	1.0	16,651	43,360	2,722	2,480
Electric and Electronic Equipment	9.0	242,524	2.8	42,047	467,942	69,549	137,383
Other Durable Goods 4/	1.8	33,361	.9	14,391	58,184	2,618	2,080
Nondurable Goods	8.2	166,834	4.3	85,853	597,846	23,783	31,522
Food and Kindred Products	1.1	19,651	.6	8,459	54,084	3,163	3,059
Printing and Publishing	5.5	113,845	3.0	66,817	436,413	15,513	22,126
Other Nondurable Goods 5/	1.6	33,338	.6	10,577	107,349	5,107	6,337

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes lumber and wood products; furniture and fixtures; primary metal industries; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes apparel and other textile products; paper and allied products; chemicals and allied products; petroleum and coal products; and rubber and miscellaneous plastics products.

The Northern Virginia Metropolitan Area is comprised of the cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park and the counties of Arlington, Fairfax, Loudoun, and Prince William.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
PETERSBURG-COLONIAL HEIGHTS-HOPEWELL STANDARD METROPOLITAN STATISTICAL AREA
1981
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	10.4	$205,976	8.1	$145,837	$575,859	$109,685	$90,867
Durable Goods	2.5	31,490	2.0	20,252	68,949	9,320	10,249
Lumber and Wood Products--Furniture and Fixtures	.5	5,397	.4	3,832	7,571	1,537	785
Fabricated Metal Products	.2	1,678	.1	1,220	3,167	240	30
Other Durable Goods 4/	1.8	24,415	1.4	15,200	58,211	7,543	9,434
Nondurable Goods	7.9	174,486	6.1	125,585	506,910	100,365	80,618
Food and Kindred Products	.3	5,022	.1	1,616	14,501	2,237	1,047
Chemicals and Allied Products	3.4	81,554	2.5	56,678	211,148	36,270	26,993
Other Nondurable Goods 5/	4.2	87,910	3.5	67,291	281,261	61,858	52,578

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; rubber and miscellaneous plastics products; and leather and leather products.

The Petersburg-Colonial Heights-Hopewell Standard Metropolitan Statistical Area is comprised of the cities of Petersburg, Colonial Heights, and Hopewell and the counties of Dinwiddie and Prince George.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
PETERSBURG-COLONIAL HEIGHTS-HOPEWELL STANDARD METROPOLITAN STATISTICAL AREA
1982
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	9.3	$218,676	7.2	$152,016	$585,262	$32,980	$30,998
Durable Goods	2.2	27,587	1.7	18,057	49,423	8,667	2,441
Lumber and Wood Products--Furniture and Fixtures	.4	4,910	.3	3,843	7,934	897	520
Stone, Clay, and Glass Products	.2	2,458	.1	1,758	4,785	598	72
Fabricated Metal Products	.1	1,401	.1	1,094	2,363	33	14
Other Durable Goods 4/	1.4	18,818	1.1	11,362	34,341	7,138	1,835
Nondurable Goods	7.2	191,089	5.5	133,959	535,838	24,313	28,557
Food and Kindred Products	.3	5,091	.1	1,568	16,821	1,225	726
Chemicals and Allied Products	3.1	82,666	2.2	55,014	163,791	20,820	23,996
Other Nondurable Goods 5/	3.8	103,332	3.2	77,377	355,227	2,268	3,834

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; rubber and miscellaneous plastics products; and leather and leather products.

The Petersburg-Colonial Heights-Hopewell Standard Metropolitan Statistical Area is comprised of the cities of Petersburg, Colonial Heights, and Hopewell and the counties of Dinwiddie and Prince George.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
RICHMOND STANDARD METROPOLITAN STATISTICAL AREA
1981
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	56.6	$1,169,019	37.7	$690,177	$3,198,322	$547,584	$481,508
Durable Goods	17.2	333,873	10.6	170,686	647,172	54,464	44,388
Lumber and Wood Products	1.5	17,673	1.2	12,383	39,507	1,373	1,301
Furniture and Fixtures	1.7	17,529	1.3	11,259	33,097	1,032	403
Stone, Clay, and Glass Products	1.3	18,766	.8	10,220	26,892	2,351	965
Fabricated Metal Products	2.3	43,746	1.9	33,144	95,448	2,697	1,170
Machinery, except Electrical	2.2	47,251	1.3	22,787	91,625	9,599	8,015
Other Durable Goods 4/	8.2	188,908	4.1	80,893	360,603	37,412	32,534
Nondurable Goods	39.4	835,146	27.1	519,491	2,551,150	493,120	437,120
Food and Kindred Products	4.2	69,839	3.0	45,209	378,898	11,039	22,757
Tobacco Manufactures	13.8	337,219	9.4	209,224	1,108,055	289,080	281,898
Apparel and Other Textile Products	1.9	18,598	1.6	14,146	32,348	452	197
Paper and Allied Products	4.2	87,486	3.3	60,871	215,385	36,351	21,027
Printing and Publishing	5.5	102,188	3.6	63,986	216,171	26,057	18,622
Chemicals and Allied Products	8.2	192,980	5.1	106,812	495,904	125,220	61,897
Other Nondurable Goods 5/	1.6	26,836	1.1	19,243	104,389	4,921	30,722

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes textile mill products; petroleum and coal products; rubber and miscellaneous plastics products; and leather and leather products.

The Richmond Standard Metropolitan Statistical Area is comprised of the city of Richmond and the counties of Henrico, Chesterfield, Hanover, Charles City, Goochland, and Powhatan.

ANNUAL SURVEY OF MANUFACTURES
RICHMOND STANDARD METROPOLITAN STATISTICAL AREA
1982
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	55.0	$1,247,573	37.0	$744,013	$3,633,443	$392,192	$334,942
Durable Goods	15.3	318,281	9.1	154,808	614,916	18,022	22,595
Lumber and Wood Products	1.2	15,464	1.0	10,639	32,931	1,236	857
Furniture and Fixtures	1.0	15,998	.9	12,431	36,382	443	372
Stone, Clay, and Glass Products	1.1	16,534	.7	8,083	21,345	1,003	1,236
Fabricated Metal Products	2.1	44,312	1.6	29,185	99,713	1,388	656
Machinery, Except Electrical	2.4	51,160	1.3	23,256	86,943	6,552	5,094
Other Durable Goods 4/	7.5	174,813	3.7	71,214	337,602	7,400	14,380
Nondurable Goods	39.7	929,292	27.9	589,205	3,018,526	374,170	312,347
Food and Kindred Products	4.1	79,738	2.7	51,734	454,732	5,835	14,533
Tobacco Manufactures	14.0	366,783	10.0	239,433	1,467,661	207,759	161,182
Apparel and Other Textile Products	1.9	21,115	1.7	14,102	36,493	753	339
Paper and Allied Products	4.0	87,141	3.1	60,749	195,340	25,406	22,354
Printing and Publishing	5.6	111,795	3.8	71,940	235,955	23,813	15,405
Chemicals and Allied Products	8.3	223,318	5.2	122,588	488,149	69,872	76,796
Other Nondurable Goods 5/	1.8	39,402	1.4	28,659	140,196	40,732	21,738

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes textile mill products; petroleum and coal products; rubber and miscellaneous plastics products; and leather and leather products.

The Richmond Standard Metropolitan Statistical Area is comprised of the city of Richmond and the counties of Henrico, Chesterfield, Hanover, Charles City, Goochland and Powhatan.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
ROANOKE STANDARD METROPOLITAN STATISTICAL AREA
1981
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	21.1	$342,372	14.8	$208,927	$824,325	$37,499	$36,395
Durable Goods	12.0	209,113	8.2	123,248	429,848	20,243	17,437
Primary Metal Industries--Fabricated Metal Products	2.4	43,095	1.8	27,320	69,482	2,916	3,369
Machinery, except Electrical	1.8	31,562	1.3	20,319	83,428	5,310	4,565
Other Durable Goods 4/	7.8	134,456	5.2	75,609	276,938	12,017	9,503
Nondurable Goods	9.1	133,259	6.6	85,679	394,477	17,256	18,958
Food and Kindred Products	1.8	28,412	.9	14,020	70,294	5,090	10,547
Apparel and Other Textile Products	1.9	15,428	1.7	12,582	19,857	507	89
Printing and Publishing	1.0	13,961	.4	5,525	26,006	953	1,462
Other Nondurable Goods 5/	4.4	75,458	3.6	53,552	278,320	10,706	6,860

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industies.

5/ Includes textile mill products; paper and allied products; chemicals and allied products; and rubber and miscellaneous plastics products.

The Roanoke Standard Metropolitan Statistical Area is comprised of the cities of Roanoke and Salem and the counties of Roanoke, Botetourt, and Craig.

NOTE: Detail may not add to totals due to rounding.

ANNUAL SURVEY OF MANUFACTURES
ROANOKE STANDARD METROPOLITAN STATISTICAL AREA
1982
(EMPLOYMENT AND DOLLARS ARE IN THOUSANDS)

Industry Group 1/	All Employees		Production Workers		Value Added by Manufactures 3/	Capital Expenditures 3/	Anticipated Capital Expenditures 3/
	Number (average for year) 2/	Salaries and Wages (total) 3/	Number (average for year) 2/	Wages (total) 3/			
ALL MANUFACTURING	19.7	$348,058	13.5	$198,372	$793,464	$68,104	$33,212
Durable Goods	11.0	208,057	7.3	112,303	391,562	16,543	18,290
Primary Metal Industries--Fabricated Metal Products	2.2	42,783	1.6	25,966	78,897	3,978	2,210
Machinery, Except Electrical	1.5	27,456	1.0	15,644	61,624	2,751	1,623
Other Durable Goods 4/	7.3	137,818	4.7	70,693	251,041	9,814	14,457
Nondurable Goods	8.7	140,001	6.2	86,069	401,902	51,561	14,922
Food and Kindred Products	1.8	28,324	1.0	12,548	80,875	8,984	5,600
Textile Mill Products	1.7	21,569	1.4	15,935	52,100	33,819	576
Apparel and Other Textile Products	1.8	17,246	1.5	12,302	22,373	361	219
Printing and Publishing	1.0	16,282	.3	5,989	29,871	1,110	975
Other Nondurable Goods 5/	2.4	56,580	2.0	39,295	216,683	7,287	7,552

1/ Based on the 1972 edition of the Standard Industrial Classification Manual.

2/ Annual averages prepared by the Virginia Department of Labor and Industry in cooperation with the U. S. Bureau of Labor Statistics.

3/ Projected on the basis of survey employment to estimated annual average.

4/ Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electric and electronic equipment; transportation equipment; instruments and related products; and miscellaneous manufacturing industries.

5/ Includes paper and allied products; chemicals and allied products; and rubber and miscellaneous plastics products

The Roanoke Standard Metropolitan Statistical Area is comprised of the cities of Roanoke and Salem and the counties of Roanoke, Botetourt, and Craig.

NOTE: Detail may not add to totals due to rounding.

EXPLANATION OF TERMS

The survey of manufactures, which is conducted annually for Virginia and its metropolitan areas, is designed to present such important economic indicators as employment, salaries, wages, value added by manufactures, and capital expenditures. Because much of these data are unavailable until well after the end of the calendar year and must then be collected and edited by the Department before tabulation and publication, this study cannot be used as an instantaneous year-end review. The additional time, however, permits the construction of a more accurate representation of the economy during the survey year than would otherwise be possible. In order to provide statistics by industry group, in addition to the State and SMSA totals, each manufacturing firm has been assigned an industry code based on the Standard Industrial Classification Manual. Publication of statistics for industry groups in which the employment is dominated by a single firm might indirectly reveal confidential data for that firm; these industry groups have been combined with other industry groups before publication.

Totals for industry groups with less than 100 percent response are estimated on the basis of an employment factor. Since responding companies accounted for 58.9 percent of Virginia's estimated total manufacturing employment in 1981 and 57.6 percent in 1982, published figures should closely approximate data that would result from a complete canvass. Statistical data have been obtained from approximately 1,693 manufacturing plants in 1981 and 1,744 in 1982 including most of the large plants and a representative sample of the many smaller plants.

"Value Added by Manufactures" approximates the value created in the manufacturing process and is obtained by subtracting from the net selling value of products manufactured the cost of contract work and cost of materials, which includes components, supplies, containers for products, fuel and electrical energy consumed during the year.

The term "All Employees" includes all classes of employees (administrative, supervisory, clerical, professional, technical, sales, delivery, installation, construction and service personnel, as well as operating and related workers) employed full or part-time by the establishment. "Wages and Salaries" are defined as gross earnings of employees, including commissions, dismissal pay, nonproduction bonuses, vacation and sick leave pay, and compensation of any kind, prior to such deductions as employees' social security contributions, withholding taxes, union dues, group insurance and savings bonds.

"Production Workers" is restricted to include working foremen and all nonsupervisory workers engaged in production work or other services closely allied to production operations.

"Capital Expenditures" includes expenditures for construction, new machinery and new equipment (includes major alterations and capitalized repairs but excludes expenditures for land). Also included are expenditures chargeable to fixed assets accounts for which depreciation accounts are maintained and excludes used plant and equipment acquired from others. This information is available for the past calendar year. Anticipated capital expenditures for the current year is also published.

DIVISION OF

MINES AND QUARRIES

The Division of Mines and Quarries is charged with the administration and enforcement of The Mining Laws of Virginia, as specified in Title 45.1 of the Virginia Code. The primary mission of the Division is to protect the lives and physical well-being of all persons employed at mines and quarries within the Commonwealth through the regular inspection of all mines and quarries and the enforced compliance by operators with Virginia's mine safety requirements. The Division is also charged under Title 45.1 with the responsibility and given authority to administer and enforce laws pertaining to the exploration and production of oil, gas, and geothermal resources within the Commonwealth. Pursuant to these statutory responsibilities, the Division conducts inspections of all mines and quarries in the Commonwealth, investigates accidents and fatalities, monitors oil and gas and geothermal exploration and production to ensure compliance with state law, conducts training classes, and tests and certifies persons for employment in mines.

MINE HEALTH AND SAFETY INSPECTION ACTIVITIES
1982 and 1983

	1982	1983
Underground Coal Mine Tipple	1,408	1,188
Underground Coal Mine Truck	3,912	3,424
Surface Coal Mine Strip	970	603
Surface Coal Mine Auger	156	137
Refuse Pile	34	36
Open Pit Inspections	1,375	1,389
Metal and Nonmetallic (Underground)	32	26
Investigations	70	314
Complaints	--	25
Total	7,957	7,142

MINER EDUCATION AND TRAINING ACTIVITIES
1982 and 1983

	1982	1983
Mine Foremanship Underground	1,321	585
First Aid and Accident Prevention	323	386
Underground Shot Firer's	367	221
Mine Foremanship, Underground, Metal & NonMetallic	--	28
Electrical Training Underground and Surface	1,350	610
Electrical Retraining Underground and Surface	242	237
Flame Safety Light and Methane Spotter	345	482
Surface Foremanship	183	51
New Miner Training	145	--
Annual Refresher Training	28	--
Surface Blasters	71	125
Mine Rescue Training	--	21
Annual Refresher Training, Surface Foremanship	--	41
CPR Annual Refresher	--	6
Mobile Equipment Safety	--	24
Total	4,375	2,817

CERTIFICATES ISSUED
1982 and 1983

	1982	1983
First Class Mine Foreman	410	370
Electrical-Underground and Surface	484	341
Surface Coal Mine Foreman	88	129
Surface Foreman, Metal and Nonmetallic	47	31
Surface Foreman, Open Pit	10	25
Electrician-Metal and Nonmetallic	1	15
Underground Foreman-Metal and Nonmetallic	1	2
Surface Blaster	103	112
Fire Boss	25	70
Preparation Plant Foreman	58	56
Cable Splicer	1	--
Underground Shot Firer	283	229
Top Person	17	6
Hoisting Engineer	15	36
First Class Shaft Slope Foreman	11	17
Inspectors	2	3
Dock Foreman	4	5
Automatic Elevator Operator	--	78
Total	1,560	1,525

APPROVED COMPETENT PERSON CARDS AND PERMITS
1982 and 1983

	1982	1983
First Class Mine Foreman	21	11
Preparation Plant Foreman	4	2
Shaft Slope Foreman	2	1
Surface Coal Mine Foreman	1	5
Crane Operator	5	--
Total Issued	33	19

VIRGINIA NATURAL GAS PRODUCTION (MCF)
1982 and 1983

County	First Quarter		Second Quarter		Third Quarter		Fourth Quarter		Totals Quarter	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
Buchanan	849,126	251,212	976,356	198,447	203,081	222,756	205,444	327,763	2,234,007	1,000,178
Dickenson	922,089	785,092	1,012,154	783,846	829,930	477,087	814,795	526,693	3,578,968	2,572,718
Rockingham	62,303	18,991	88,328	9,594	45,549	0	0	14,551	196,180	43,136
Russell	2,340	682	1,130	774	616	1,256	622	882	4,708	3,594
Scott	0	0	0	0	0	0	0	2,519	0	2,519
Tazewell	156,290	84,277	152,962	93,378	2,200	49,295	0	64,815	311,452	291,765
Washington	0	0	0	0	0	0	0	42,458	0	42,458
Wise	156,894	127,545	143,890	93,130	132,611	73,810	121,406	95,599	554,801	390,084
Totals	2,149,042	1,267,799	2,374,820	1,179,169	1,213,987	824,204	1,142,267	1,075,280	6,880,116	4,346,452

NATURAL GAS DELIVERY TO PIPELINES (MCF)
1982 and 1983

Quarter	Columbia Gas Transmission Corp		Consolidated Gas Supply Corp		East Tennessee		Kentucky-West Virginia Gas Co		Total Gas To Pipelines	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
First	1,195,593	110,541	121,036	243,939	0	0	828,838	912,189	2,145,467	1,266,669
Second	1,323,242	107,234	151,296	194,239	0	0	899,152	876,929	2,373,690	1,178,402
Third	56,280	89,530	197,066	192,673	0	0	959,923	540,691	1,213,269	822,894
Fourth	29,651	318,569	187,358	158,354	0	44,927	924,479	552,498	1,141,488	1,705,199
Total	2,604,766	625,874	656,756	789,205	0	44,927	3,612,392	2,882,307	6,873,914	4,342,313
Local Use in Russell Co									4,708	3,594
Local Use in Scott Co									0	50
Local Use in Wise Co									1,494	495
Total									6,880,116	4,346,452

VIRGINIA OIL AND GAS PRODUCTION, EXPLORATION AND DEVELOPMENT
SUMMARY
1982 and 1983

BY COUNTY

COUNTY	PRODUCING WELLS 1982	PRODUCING WELLS 1983	VOLUME PRODUCED (MCF) 1982	VOLUME PRODUCED (MCF) 1983
Buchanan	127	130	2,234,007	1,000,178
Dickenson	132	132	3,578,968	2,572,718
Rockingham	5	3	196,180	43,136
Russell	1	1	4,708	3,594
Scott	0	1	0	2,519
Tazewell	20	20	311,452	291,765
Washington	0	3	0	42,458
Wise	9	9	554,801	390,084
Total	294	299	6,880,116	4,346,452

BY COMPANY

COMPANY	PRODUCING WELLS 1982	PRODUCING WELLS 1983	VOLUME PRODUCED (MCF) 1982	VOLUME PRODUCED (MCF) 1983
Ashland Exploration, Inc.	36	38	464,807	451,863
Cabot Corporation	1	1	18,860	16,280
Columbia Gas Transmission Corp.	113	113	2,193,559	294,996
Consol-Ray Resources	14	14	192,292	267,775
Con lled Resources Oil and Gas	1	1	1,494	495
Early Grove Gas Company	0	4	0	44,977
W. E. Elliott, Trustee Acct. #508	2	2	22,735	19,967
Merrill Natural Resources, Inc.	3	0	196,160	0
New Frontier Exploration, Inc.	2	3	20	43,136
Panther Creek Ltd. Partnership	1	2	36,034	42,364
Philadelphia Oil Company	105	105	3,548,416	2,766,713
Pittston Resources	4	4	68,684	119,188
P & S Oil and Gas Corporation	6	6	30,277	35,752
Texas International Petroleum Corp.	6	6	106,778	216,826
TIPCO Wells Purchased by NRM Corp. 9/83	0	0	0	26,120
TOTAL	294	299	6,880,116	4,346,452

CRUDE OIL PRODUCTION
1982 and 1983

FIELD	COMPANY	NO. OF PRODUCING WELLS 1982	1983	PRODUCTION (BBLS) 1982	1983
Rose Hill	Eastern States Exploration	1	3	119	762
	Longview Oil Company	1	1	131	48
	Merrill Natural Resources, Inc.	1	0	667	0
	Pride Oil Company	1	1	2,972	2,629
	Stonewall Gas Company	0	1	0	10,518
	Whitt Oil and Drilling Company	1	0	201	0
TOTAL		5	6	4,090	13,957
Ben Hur	APACO Petroleum, Incorporated	3	5	24,092	23,273
	Ben Hur Oil Company	4	6	10,017	6,952
	BMW Resources Company	0	1	0	312
	Controlled Resources Oil & Gas Co.	0	1	0	166
	Eastern States Exploration	1	1	603	12,075
	Mountain Empire Oil and Gas Co.	1	1	1,517	1,311
	Raintree Oil Company	3	4	2,208	2,387
	Stonewall Gas Company	0	1	0	453
	Virginia Oil and Gas Exploration	3	2	6,898	2,410
TOTAL		15	22	45,335	49,339
Knox	Stonewall Gas Company	0	1	0	2,087
Big Lime	ANR Production Company	0	1	0	60
GRAND TOTAL		20	30	49,425	65,443

NATURAL GAS PRODUCTION BY COUNTY
1982 and 1983

COUNTY	COMPANY	PRODUCING WELLS 1982	PRODUCING WELLS 1983	VOLUME PRODUCED (MCF) 1982	VOLUME PRODUCED (MCF) 1983
Buchanan	Ashland Exploration, Inc.	36	38	464,807	451,863
	Cabot Corporation	1	1	18,860	16,280
	Columbia Gas Transmission Corp.	77	77	1,577,251	210,973
	Panther Creek Ltd. Partnership	1	2	36,034	42,364
	P & S Oil and Gas Corporation	6	6	30,277	35,752
	Texas International Petroleum Corp.	6	6	106,778	216,826
	(NRM purchased TIPCO 9/83)	0	0	0	26,120
	Total	127	130	2,234,007	1,000,178
Dickenson	Columbia Gas Transmission Corp.	30	30	497,148	60,033
	W. E. Elliott, Trustee Acct. #508	2	2	22,735	19,967
	Philadelphia Oil Company	97	97	2,995,109	2,377,124
	Pittston Resources	3	3	63,976	115,594
	Total	132	132	3,578,968	2,572,718
Rockingham	Merrill Natural Resources, Inc.	3	0	196,160	0
	New Frontier Exploration, Inc.	2	3	20	43,136
	Total	5	3	196,180	43,136
Russell	Pittston Resources	1	1	4,708	3,594
	Total	1	1	4,708	3,594
Scott	Early Grove Gas Company	0	1	0	2,519
	Total	0	1	0	2,519
Tazewell	Columbia Gas Transmission Corp.	6	6	119,160	23,990
	Consol-Ray Resources	14	14	192,292	267,775
	Total	20	20	311,452	291,765
Washington	Early Grove Gas Company	0	3	0	42,458
	Total	0	3	0	42,458
Wise	Controlled Resources Oil and Gas	1	1	1,494	495
	Philadelphia Oil Company	8	8	553,307	389,589
	Total	9	9	554,801	390,084

CRUDE OIL QUARTERLY PRODUCTION BY FIELD
1982 and 1983

QUARTER	BEN HUR		ROSE HILL		KNOX		BIG LIME		TOTAL	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
First	6,680	16,985	1,004	2,068	0	301	0	0	7,684	19,354
Second	16,045	15,310	913	3,719	0	745	0	0	16,958	19,774
Third	10,892	9,416	879	4,152	0	517	0	60	11,771	14,145
Fourth	11,716	7,628	1,296	4,018	0	524	0	0	13,012	12,170
Total	45,333	49,339	4,092	13,957	0	2,087	0	60	49,425	65,443

ESTIMATED NATURAL GAS RESERVES IN VIRGINIA

1982 and 1983

	Producing Wells				Shut in Wells							
	No. of Wells		By Mcf Remaining Reserves		No. of Wells		By Mcf Remaining Reserves		No. of Wells		By Mcf Remaining Reserves	
County	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
Buchanan	127	130	31,527,955	31,127,777	27	24	6,130,934	5,630,934	154	154	37,658,889	36,758,711
Dickenson	132	132	63,676,719	60,794,412	35	36	12,414,700	12,664,700	167	168	76,091,419	73,459,112
Lee	0	0	0	0	1	1	116,000	116,000	1	1	116,000	116,000
Rockingham	5	3	929,280	586,000	3	2	200,000	200,000	7	5	1,129,280	786,000
Russell	0	1	0	96,406	0	0	0	0	0	1	0	96,406
Scott	0	1	0	247,481	5	5	726,000	726,000	5	6	726,000	973,481
Tazewell	20	20	4,925,854	4,634,089	0	3	0	550,000	20	23	4,925,854	5,184,089
Washington	0	3	0	497,542	3	2	540,000	400,000	3	5	540,000	897,542
Wise	9	9	4,311,697	3,921,108	29	34	13,899,973	16,274,973	38	43	18,211,670	20,196,081
Total	293	299	105,371,505	101,904,815	103	107	34,027,607	36,562,607	395	406	139,399,112	138,467,422

WELL CLASSIFICATION
1982 and 1983

County	Development		Exploratory		OWDD*		Total	
	1982	1983	1982	1983	1982	1983	1982	1983
Botetourt	0	0	1	0	0	0	1	0
Buchanan	15	0	0	0	0	0	15	0
Chesterfield	0	0	10	0	0	0	10	0
Dickenson	17	1	0	0	0	0	17	1
Lee	26	12	6	9	0	1	32	22
Rockingham	2	2	1	0	0	0	3	2
Scott	1	1	3	0	0	0	4	1
Tazewell	0	3	0	1	0	0	0	4
Washington	3	2	1	1	0	0	4	3
Wise	6	0	8	5	0	0	14	5
Total	70	21	30	16	0	1	100	38

FOOTAGE DRILLED
1982 and 1983

County	Development		Exploratory		Total	
	1982	1983	1982	1983	1982	1983
Botetourt	0	0	9,219	0	9,219	0
Buchanan	80,027	0	0	0	80,027	0
Chesterfield	0	0	35,574	0	35,574	0
Dickenson	88,632	4,914	0	0	88,632	4,914
Lee	61,043	26,674	28,408	38,028	89,451	64,702
Rockingham	8,948	7,981	4,042	0	12,990	7,981
Scott	5,296	4,120	13,038	0	18,334	4,120
Tazewell	0	17,577	0	6,108	0	23,685
Washington	11,936	8,259	7,140	9,474	19,076	17,733
Wise	36,209	0	43,781	27,382	79,990	27,382
Total	292,091	69,525	141,202	80,992	433,293	150,517

*Old well drilled deeper.

ACREAGE UNDER LEASE FOR OIL AND GAS IN VIRGINIA
1982 and 1983

Company	Developed		Undeveloped		Undeveloped Federal		Total	
	1982	1983	1982	1983	1982	1983	1982	1983
Adobe Oil and Gas	0	0	12,000	0	0	0	12,000	0
AMOCO Production Company	0	0	554,000	554,000	0	0	554,000	554,000
ANR Production Company	360	5,960	29,435	29,435	0	0	29,795	35,395
APACO Petroleum Incorporated	80	250	257	2,000	0	0	337	2,250
ARCO Oil and Gas Company	0	184	60,000	218,663	0	97,527	60,000	316,374
Ashland Exploration, Incorporated	8,297	8,297	5,483	5,483	0	0	13,780	13,780
Bartlett Energy	0	0	0	666	0	0	0	666
Ben Hur Oil Company	92	112	3,013	2,993	0	0	3,105	3,105
BMW Resources	0	0	1,000	1,000	0	0	1,000	1,000
Cabot Corporation	300	300	559	559	0	0	859	859
Chevron, U.S.A. Incorporated	0	0	218,666	101,639	0	115,990	218,666	217,629
Cities Services	160	160	6,238	6,238	0	0	6,398	6,398
Columbia Gas Transmission Corporation	40,142	40,142	303,448	256,998	0	0	343,590	297,140
Consolidated Gas Supply	0	0	19,214	19,143	0	0	19,214	19,143
Controlled Resources Oil and Gas	0	138	9,594	1,832	0	0	9,594	1,970
Crab Run Gas Company	0	0	46,144	223	0	2,109	46,144	2,332
Early Grove Gas Company	640	640	3,748	6,000	0	0	4,388	6,640
Eastern States Exploration, Inc.	240	280	3,000	2,100	0	0	3,240	2,380
Elliott, W. E.	192	192	200	200	0	0	392	392
Exxon U.S.A.	0	0	275,000	73,577	0	85,166	275,000	158,743
Getty Oil	0	0	205	205	0	0	205	205
Gulf Oil Corporation	0	0	177,571	175,439	0	0	177,571	175,439
Highlander Resources	153	150	65,600	62,350	0	0	65,753	62,500
Home Petroleum	0	0	84,447	83,900	0	10,100	84,447	94,000
Ketal Oil Producing Company	0	0	35,869	35,868	0	0	35,869	35,868
Louisiana Land & Exploration Company	0	0	35,528	35,528	0	0	35,528	35,528
Charles Maurer Oil Properties	0	0	36,365	0	0	0	36,365	0
Mountain Empire Gas and Oil Corporation	15	15	4,985	4,985	0	0	5,000	5,000
New Frontier Exploration Company	725	0	24,106	0	0	0	24,831	0
NRM Petroleum	0	11,520	0	27,480	0	0	0	39,000
Okmar Oil Company	0	0	2,391	2,391	0	0	2,391	2,391
Oxley Petroleum Company	0	0	3,897	3,897	0	0	3,897	3,897
P & S	13	0	0	8,629	0	0	13	8,629
Pennzoil Company	0	150	150	164	0	0	150	314
Peake Operating	0	160	0	150	0	0	0	310
Philadelphia Oil Company	39,891	50,291	174,644	178,491	0	0	214,535	228,782
Phillips Petroleum Company	0	0	102,000	205,755	0	0	102,000	205,755
Pittston Resources	5,000	2,000	0	5,000	0	0	5,000	7,000
Pride Oil Company	41	41	9,200	9,840	0	0	9,241	9,881
R & B Petroleum Company	0	400	7,000	2,600	0	0	7,000	3,000
Royal Resources Corporation	0	0	56,453	61,453	0	0	56,453	61,453
James F. Scott	0	109	0	1,500	0	8,500	0	10,109
Shell Oil Company	0	0	68,000	68,000	0	0	68,000	68,000
Southfork Enterprises	0	0	15,000	15,000	0	0	15,000	15,000
Stonewall Gas Company	92	969	6,660	8,051	0	0	6,752	9,020
Sun Exploration Company	0	0	185,321	218,987	0	33,212	185,321	248,199
Texaco	0	0	8,706	8,706	0	0	8,706	8,706
Texas International Petroleum	11,520	0	27,480	0	0	0	39,000	0
Union Texas Petroleum Corporation	0	0	358,326	306,243	0	74,906	358,326	381,149
Virginia Oil & Gas Exploration, Inc.	60	60	4,940	4,940	0	0	5,000	5,000
Wise Oil and Gas	4,800	0	0	0	0	0	4,800	0
Witt Oil and Drilling	25	25	225	225	0	0	250	250
Yankee Exploration	0	155	0	11,600	0	0	0	11,815
Total	112,838	122,700	3,046,068	2,830,126	0	427,510	3,158,906	3,376,396

SUMMARY OF VIRGINIA DRILLING
1983

County	Operator	Lease	Well Class.	Well No.	Total Depth	Formation T.D.	Producing Formation	Initial Open Flow (MCF/BOD)	Final Open Flow (MCF/BOD)	Remarks
Botetourt	Columbia Gas Transmission Corporation	Tredegar Company	New Field Wildcat	20750-T	9,219	Copper Ridge Dolomite			Dry	
Buchanan	Ashland Exploration Incorp.	Lon B. Rogers, et. al.	Dev.	24-092861	5,336	Devonian Shale	Big Lime Berea	Show	219 MCF	
	Ashland Exploration Incorp.	Clinchfield Litz Unit	Dev.	1-09281	5,182	Devonian Shale	Berea	22 MCF	1,834 MCF	
	Columbia Gas Transmission Corp.	Buchanan Energy Corp.	Dev.	20225	5,743	Corni-ferous	Devonian Shale	0 MCF	65 MCF	
	Columbia Gas Transmission Corp.	Denise Jordan et. al.	Dev.	20291-T	5,323	Corni-ferous	Devonian Shale	0 MCF	189 MCF	
	Columbia Gas Transmission Corp.	New Era Coal Corp.	Dev.	20719	5,557	Corni-ferous	Big Lime Weir	Show	84 MCF	
							Devonian Shale	Show	211 MCF	
	Columbia Gas Transmission Corp.	Buchanan Energy Corp.	Dev.	20713	5,335	Devonian Shale	Ravencliffe Devonian Shale	82 MCF	442 MCF	
	Columbia Gas Transmission Corp.	Pittston Resources	Dev.	20292-T	6,145	Corni-ferous	Berea	0 MCF	793 MCF	
							Devonian Shale		311 MCF	
	Columbia Gas Transmission Corp.	Pittston Resources	Dev.	20990	5,048	Corni-ferous	Devonian Shale	249 MCF	712 MCF	
	Columbia Gas Transmission Corp.	Big Sandy Corp.	Dev.	21020	3,812	Berea	Berea	84 MCF	839 MCF	
	Panther Creek Ltd., Partner-ship	A. B. Jewel Farm	Dev.	A. B. Jewel #1	4,976	Devonian Shale	Berea	36 MCF	2,500 MCF	
	Panther Creek Ltd., Partner-ship	A. B. Jewel Farm	Dev.	A. B. Jewel #2	5,183	Devonian Shale	Berea	Show	486 MCF	
	Peake Operating	W. K. Breeding Unit	Dev.	#1-B Breeding	4,793	Devonian Shale	Big Lime	66 MCF	793 MCF	
							Berea	4 MCF	311 MCF	
	Texas Inter-national Petroleum Corp.	Georgia-Pacific Corp.	Dev.	I.C.-49	4,750	Devonian Shale	Devonian Shale	Show		Shut In For Evaluation
	Texas Inter-national Petroleum Corp.	Georgia-Pacific Corp.	Dev.	I.C.-16	6,535	Corni-terons	Devonian Shale	Show		Shut In For Evaluation
	Texas Inter-national Petroleum Corp.	Georgia-Pacific Corp.	Dev.	I.C.-20	6,309	Corni-terons	Devonian Shale	Show		Shut In For Evaluation
Chesterfield	Cornell Oil Company	Irvin Horner Farm	New Field Wildcat	#1 Horner	6,386	Triassic			Dry	
	Cornell Oil Company	W. H. Bailey Farm	New Field Wildcat	#1 Bailey	7,438	Triassic			Dry	
	Merrill Natural Resources Incorp.	Georgia-Pacific Corp.	New Field Wildcat	#1 Georgia Pacific	2,320	Triassic			Dry	
	Merrill Natural Resources Incorp.	Ludson Hudgins Farm	New Field Wildcat	#1 Hudgins	2,700	Triassic			Dry	
	Merrill Natural Resources Incorp.	Cassel Adamson Farm	New Field Wildcat	#1 Adamson	2,780	Triassic			Dry	
	Merrill Natural Resources Incorp.	Marguerite Turner Farm	New Field Wildcat	#1 Turner	2,700	Triassic			Dry	
	Merrill Natural Resources Incorp.	Marguerite Turner Farm	New Field Wildcat	#2 Turner	2,770	Triassic			Dry	
	Merrill Natural Resources Incorp.	Cheaspeake Corp.	New Field Wildcat	#1 Chesa-peake	3,080	Triassic			Dry	
	Merrill Natural Resources Incorp.	Continental Can Group	New Field Wildcat	#1 Contin-ental Can	2,700	Triassic			Dry	
	Merrill Natural Resources Incorp.	Continental Can Group	New Field Wildcat	#4 Contin-ental Can	2,700	Triassic			Dry	
Dickenson	Columbia Gas Transmission Corp.	Pittston Resources	Dev.	21022	4,374	Berea	Berea	0 MCF	417 MCF	
	Columbia Gas Transmission Corp.	Pittston Resources	Dev.	21027	4,766	Devonian Shale	Berea	0 MCF	215 MCF	
	Philadelphia Oil Company	Shrole Incorp.	Dev.	P-20	5,468	Devonian Shale	Berea	0 MCF	353 MCF	
	Philadelphia Oil Company	Pittston Resources	Dev.	P-122	5,049	Devonian Shale	Berea	15 MCF	169 MCF	

SUMMARY OF VIRGINIA DRILLING - 1982 (Continued)

County	Operator	Lease	Well Class.	Well No.	Total Depth	Formation T.D.	Producing Formation	Initial Open Flow (MCF/BOD)	Final Open Flow (MCF/BOD)	Remarks
Dickenson	Philadelphia Oil Company	VICC Company	Dev.	P-125	6,073	Devonian Shale	Big Lime Berea	0 MCF	84 MCF 119 MCF	
	Philadelphia Oil Company	VICC Company	Dev.	P-109	5,486	Devonian Shale	Berea	40 MCF	1,023 MCF	
	Philadelphia Oil Company	VICC Company	Dev.	P-110	5,824	Devonian Shale	Berea	Show	298 MCF	
	Philadelphia Oil Company	VICC Company	Dev.	P-111	5,499	Devonian Shale	Ravencliffe Big Lime Berea	332 MCF	1,000 MCF 283 MCF 231 MCF	
	Philadelphia Oil Company	Pittston Resources	Dev.	P-132	5,148	Devonian Shale	Berea	33 MCF	327 MCF	
	Philadelphia Oil Company	Nell Phipps Estate	Dev.	P-134	5,326	Devonian Shale	Weir Berea	0 MCF	84 MCF 189 MCF	
	Philadelphia Oil Company	Weingarten Estate	Dev.	P-124	5,144	Devonian Shale	Big Lime Berea	75 MCF	423 MCF 327 MCF	
	Philadelphia Oil Company	Weingarten Estate	Dev.	P-123	5,574	Devonian Shale	Big Lime Berea	384 MCF	880 MCF 984 MCF	
	Philadelphia Oil Company	Weingarten Estate	Dev.	P-133	4,934	Devonian Shale	Berea	84 MCF	998 MCF	
	Philadelphia Oil Company	Steinman Development Corp.	Dev.	P-140	4,448	Devonian Shale	Berea	0 MCF	462 MCF	
	Philadelphia Oil Company	Pittston Resources	Dev.	P-143	5,358	Devonian Shale	Weir Berea	0 MCF	169 MCF 298 MCF	
	Philadelphia Oil Company	Pittston Resources	Dev.	P-151	5,388	Devonian Shale	Berea	0 MCF	1,100 MCF	
	Philadelphia Oil Company	Albert Adkins Farm	Dev.	P-135	4,773	Devonian Shale	Big Lime Berea	42 MCF	60 MCF 383 MCF	
Lee	APACO Petroleum Incorp.	Dale Smith Farm	Dev.	#1 Smith	1,812	Trenton				Shut In For Evaluation
	APACO Petroleum Incorp.	Gale Slemp Farm	Dev.	#1 Slemp	2,412	Eggleston Limestone	Reedsville Shale	Show	4 BOPD	
	APACO Petroleum Incorp.	Aubra Dean Farm	Dev.	#1 Aubra Dean	2,664	Eggleston Limestone	Trenton	274 BOPD	60 BOPD	
	APACO Petroleum Incorp.	Aubra Dean Farm	Dev.	#2 Aubra Dean	2,286	Trenton Limestone	Reedsville Shale	36 BOPD	15 BOPD	
	ARCO Oil and Gas Company	Campbell Slemp Farm	New Field Wildcat	#1 Phillips Campbell Slemp	13,252	Upper Cambrian			Dry	
	Ben Hur Oil Company	H. M. Williams Farm	Dev.	#1 Williams	2,550	Eggleston Limestone	Reedsville Shale	25 BOPD	2 BOPD	
	Ben Hur Oil Company	James Dean Farm	Dev.	#1 J. Dean	2,550	Trenton Limestone	Trenton	65 BOPD	9 BOPD	
	Ben Hur Oil Company	Clarence Strouth Farm	Dev.	#1 Strouth	2,797	Mocassin Limestone	Trenton	15 BOPD	5 BOPD	
	Ben Hur Oil Company	Frank Seabolt Farm	Dev.	#1 Seabolt	2,450	Eggleston Limestone	Trenton	100 BOPD	19 BOPD	
	Ben Hur Oil Company	Ewing Bledsoe Unit	Dev.	#1 BH	1,947	Trenton Limestone			Dry	
	BMW Resources Incorp.	Ewell Frye Farm	Dev.	#1 E. Frye	2,837	Trenton Limestone	Trenton			Shut In For Evaluation
	Eastern States Exploration Incorp.	Dale Elderidge Farm	Dev.	#1 Elderidge	2,200	Trenton Limestone	Trenton	150 BOPD	30 BOPD	
	Eastern States Exploration Incorp.	C. P. Waddell Farm	Dev.	#1 C. P. Waddell	2,850	Trenton Limestone	Clinch Sandstone	9 BOPD	2 BOPD	
	Hughes and Irving Enterprises	Hidden Hollow Farm	New Pool Wildcat	#1-HI	1,600	Copper Ridge Dolamite			Dry	
	Hydrocarbon Development Corp.	Hobert Matlock Farm	Dev.	#1 Matlock	1,600	Hancock Dolamite			Dry	
	Omni Petroleum, Inc.	James Bledsoe Farm	Dev.	#1 Omni Unit	2,764	Trenton Limestone	Trenton			Shut In For Evaluation
	Raintree Oil Company	Gladys Ely Unit	Dev.	#1 Ely	1,820	Trenton Limestone	Trenton	80 BOPD	3 BOPD	
	Raintree Oil Company	Gladys Ely Unit	Dev.	#2 Ely	1,630	Trenton Limestone	Trenton	100 BOPD	7 BOPD	
	Raintree Oil Company	Gladys Ely Unit	Dev.	#3 Ely	1,860	Trenton Limestone	Trenton	150 BOPD	13 BOPD	
	Raintree Oil Company	Gladys Ely Unit	Dev.	#10 Ely	1,835	Trenton Limestone	Trenton			Shut In For Evaluation
	Raintree Oil Company	Samuel Livesay Farm	Dev.	#1 Livesay	2,880	Trenton Limestone	Trenton			Shut In For Evaluation
	Raintree Oil Company	Pete Williams Farm	Dev.	#1 P. Williams	2,280	Trenton Limestone			Dry	
	Curtis Rowlett	Curtis Rowlett Farm	Dev.	#1 Rowlett	2,540	Trenton Limestone	Clinch Sandstone	Show	1 BOPD	Shut In For Evaluation
	Stonewall Gas Company	Starling Farm	New Field Wildcat	#1 Cope	2,537	Trenton Limestone				Shut In For Evaluation
	Stonewall Company	Chester Surgener Farm	New Field Wildcat	#1 Surgener	3,796	Mocassin Limestone				Shut In For Evaluation
	Virginia Oil and Gas Exploration Incorp.	Leslie Terry Farm	Dev.	#1 Terry	2,363	Trenton Limestone	Trenton			Shut In For Evaluation
	Virginia Oil and Gas Exploration Incorp.	Leslie Terry Farm	Dev.	#2 Terry	2,530	Trenton Limestone			Dry	

SUMMARY OF VIRGINIA DRILLING - 1982 (Continued)

County	Operator	Lease	Well Class.	Well No.	Total Depth	Formation T.D.	Producing Formation	Initial Open Flow (MCF/BOD)	Final Open Flow (MCF/BOD)	Remarks
Lee	Virginia Oil and Gas Exploration Incorp.	F. S. Howard Farm	Dev.	#1 F. S. Howard	2,486	Trenton Limestone	Trenton			Shut In For Evaluation
	Virginia Oil and Gas Exploration Incorp.	Dana Wooliver Farm	New Field Wildcat	#1 Wooliver	1,360	Cooper Ridge Dolomite			Dry	
	Virginia Oil and Gas Exploration Incorp.	Castle Daugherty Farm	Dev.	#1 Daugherty	3,180	Trenton Limestone	Trenton	Show	1 BOPD	Shut In For Evaluation
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10010	5,863	Corniferous	Big Lime	Show	5 BOPD/ 30 MCF	
	Witt Oil and Drilling Co.	Ben Campbell Farm	Dev.	#3 Campbell	1,990	Eggleston Limestone		Weir	Show Dry	103 MCF
Rockingham	Merrill Natural Resources Incorp.	Federal Tract 308-A	New Field Wildcat	#3 Dry River Unit	4,042	Oriskany			Dry	
	Merrill Natural Resources Incorp.	Granville Moyers Farm	Dev.	#1 Granville Moyers	4,913	Brallier Shale			Dry	
	Merrill Natural Resources Incorp.	Loy and Franklin Moyers Farm	Dev.	#1 Loy Moyers	4,035	Oriskany Sandstone			Dry	
Scott	Early Grove Gas Company	Earl Ridgeway Farm	Dev.	#2 Ridgeway	5,296	Devonian Shale				Shut In For Evaluation
	Scott County Development	James Butler Farm	New Field Wildcat	#1 Baker	2,296	Clinch Sandstone	Clinton-Clinch Undivided	Show	60 MCF	
	Wise Oil and Gas Exploration Incorp.	Hagan Estates	Out Post Extension Test	10007	5,803	Corniferous	Berea	Show	103 MCF	
	Wise Oil and Gas Exploration Incorp.	Hagan Estates	Out Post Extension Test	10008	4,939	Devonian Corniferous		Shale	Dry	
Washington	Early Grove Gas Company	George Bondurant Farm	Dev.	#1 Bondurant	3,720	Devonian Shale				Shut In For Evaluation
	Early Grove Gas Company	Clay Harless Farm	Dev.	#1 Harless	4,206	Price Sandstone				Shut In For Evaluation
	Early Grove Gas Company	Charles Dorton Farm	Dev.	#1 Dorton	4,010	Price Sandstone				Shut In For
	Highlander Resources	Blake-Wolfe Run	New Field Wildcat	#1 Blake-Wolfe Run	7,140	Chemung			Dry	
Wise	ANR Production Company	VICC Co.	Dev.	ANP-1	6,559	Corniferous	Berea Devonian Shale	0 MCF	300 MCF 65 MCF	
	ANR Production Company	VICC Co.	Dev.	ANP-3	6,197	Corniferous				Shut In For Evaluation
	ANR Production Company	VICC Co.	Dev.	ANP-16	6,840	Corniferous	Berea Devonian Shale	Show	286 MCF 50 MCF	
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10001	4,999	Corniferous			Dry	
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10002	5,543	Corniferous	Big Lime Weir Devonian Shale	103 MCF	668 MCF 134 MCF 133 MCF	
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10003	5,560	Corniferous	Weir Devonian	Show Shale	665 MCF 215 MCF	
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10004	5,338	Corniferous	Weir	47 MCF	1,400 MCF	
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10005	5,965	Sequatchie Formation	Berea Devonian	539 MCF Shale	1,555 MCF	
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10006	5,458	Corniferous	Berea	47 MCF	231 MCF	
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10009	5,579	Corniferous	Weir Devonian	60 MCF Shale	3,095 MCF 100 MCF	
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10011	5,508	Corniferous	Weir Devonian	84 MCF Shale	1,343 MCF 133 MCF	
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10012	5,526	Corniferous	Big Lime Weir Shale	60 MCF Devonian	274 MCF 103 MCF	103 MCF
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10013	5,579					
	Wise Oil and Gas Exploration Incorp.	Penn-Va Resources	Out Post Extension Test	10015	5,339					

SUMMARY OF VIRGINIA DRILLING
1983

County	Operator	Lease	Well Class.	Well No.	Total Depth	Formation T.D.	Producing Formation	Initial Open Flow (MCF/BOD)	Final Open Flow (MCF/BOD)	Remarks
Dickenson	Philadelphia Oil Company	Pittston Res.	Dev.	P-23	4,914	Devonian Shale	Berea	0	353	
Lee	APACO	Aubra Dean	Dev.	#3 Apaco	1,975	Trenton	Trenton	Show	8 BOD	
	APACO	Joe Sutton	Exp.	#1 Sutton	1,948	Maynards-ville				Abandoned
	Ben Hur Oil Co.	Allen Cody	Dev.	#1 Cody	2,246	Trenton	Trenton	Show	11 BOD	
	Ben Hur Oil Co.	Sam Williams	Dev.	#1 Williams	2,800	Mocassin				Dry Hole
	BMW Resources	Moore & Hall	Exp.	#1 Pride-more	3,675	Eggleston	Eggleston	1 BOD	20 BOD	To Be Plugged
	BMW Resources	Hubert Turner	Dev.	#1 Turner	1,708	Eggleston	Trenton	5 BOD	0 BOD	P&A
	BMW Resources	Hubert Turner	Exp.	#2 Turner	3,650	Knox	Knox			Awaiting Eval
	Controlled Resources	Lowe/Wolver	Exp.	CROG 101	4,200	Knox	Knox			Awaiting Eval
	Controlled Resources	Chance/ Montogomery	Exp.	CROG 102	5,572	Knox	Knox			Awaiting Evaluation
	Controlled Resources	C. Daugherty	Dev.	CROG 104	2,646	Trenton	Trenton			
	Eastern States Exploration Co.	R. Ramsey	Exp.	#6 Ramsey	3,852	Knox	Knox	5 BOD		
	Eastern States Exploration Co.	R. P. Waddel	Dev.	#1 R. P. Waddel	452	Unknown				Hole Abandoned
	Eastern States Exploration Co.	H. Wilder	Dev.	#1 Wilder	2,750	Trenton				Dry Hole
	Muenster Drilling Company	Elmer Ray	OWDD	#1 E. Ray	2,200	Mocassin				Dry Hole
	Stonewall Gas Company	D. Browning	Dev.	#1 Denver Browning	530 Re-entry 2,851	Eggleston	Trenton	Show		Awaiting Evaluation
	Stonewall Gas Co.	W. M. Gobble	Exp.	#1 W. M. Gobble	5,199	Knox				Dry Hole
	Stonewall Gas Co.	Morgan Hensley	Dev.	#1 Morgan Hensley	2,150	Ben Hur	Trenton	Show	30 BOD	
	Stonewall Gas Co.	Steve Hensley	Exp.	#1 Steve Hensley	4,312	Knox	Knox	Show	10 BOD	
	Stonewall Gas Co.	Edgar Hines	Dev.	#1 Edgar Hines	2,358	Trenton	Trenton	Show	10 BOD	
	Stonewall Gas Co.	George Lee	Exp.	#1 George Lee	5,620	Knox				Dry Hole
	Stonewall Gas Co.	Donald Long	Dev.	#1 Donald Long	1,995	Eggleston	Trenton	Show	8 BOD	
	Stonewall Gas Co.	Pauline Seal	Dev.	#1 Pauline Seal	2,213	Hardy Creek	Trenton	Show	1 BOD	P&A
Rockingham	New Frontier Exploration	A. S. Moyers	Dev.	#1 M. C. Moyers	4,556	Devonian Shale				Dry Hole
	New Frontier Exploration	Lam/Shoemaker	Dev.	#1 Shoemaker	3,452	Oriskany				Dry Hole
Scott	Early Grove Gas Company	Earl Ridgeway	Dev.	#3 Ridgeway	4,120	Price	Little	1,073 MCF /Day		Open Hole
Tazewell	R&B Petroleum Corporation	New River Pocohontas	Dev.	1-A	5,863	Devonian Shale	Berea	147 MCF/D		
	R&B Petroleum Corporation	New River Pocohontas	Dev.	2-A	6,088	Devonian Shale	Berea	1,100 MCF /Day	1,200 MCF/D	
	Scott Oil and Gas Company	Ulysses Altizer	Dev	S-451	5,626	Devonian Shale	Devonian & Berea	603 MCF/D	1186 MCF /Day	Comingled Gas
	Stonewall Gas Co.	M. R. Boothe	Exp.	#1 Boothe	6,108	Devonian Shale				Dry Hole
Washington	Early Grove Gas Company	Larkin Deel	Dev.	#1 Larkin Deel	4,099	Price	Little Valley	289 MCF/D		
	Early Grove Gas Company	Ralph McCrosky	Exp.	#1 McCrosky	9,474	Clinch				P&A
	Early Grove Gas Company	Lakie Smith	Dev.	#1 Lakie Smith	4,161	Price	Little Valley	270 MCF/D		
Wise	ANR Production Company	Penn-Va Resources	Exp.	10017	5,115	Devonian Shale				
	ANR Production Company	Penn-Va Resources	Exp.	10033	5,292	Devonian Shale				
	ANR Production Company	Penn-Va Resources	Exp.	10034	5,896	Devonian Shale				
	ANR Production Company	Penn-Va Resources	Exp.	10035	5,684	Devonian Shale				
	ANR Production Company	Penn-Va Resources	Exp.	10036	5,395	Devonian Shale				

PRODUCTION AND FATALITIES IN THE COAL MINES, VIRGINIA

1953 - 1983

Year	Fatal Accidents	Production (Short Tons)	Fatality Rate Per Million Tons
1953	31	18,762,503	1.65
1954	23	15,187,142	1.51
1955	33	21,849,115	1.51
1956	35	26,004,732	1.34
1957	37	26,528,081	1.39
1958	30	25,030,954	1.20
1959	22	28,223,508	0.78
1960	22	26,706,285	0.82
1961	30	28,156,370	1.07
1962	22	29,469,945	0.75
1963	25	30,389,798	0.82
1964	22	31,773,217	0.69
1965	25	34,063,404	0.73
1966	30	35,572,928	0.84
1967	24	36,415,214	0.66
1968	12	36,865,703	0.32
1969	15	35,651,536	0.42
1970	27	34,974,724	0.77
1971	15	30,624,954	0.49
1972	15	33,995,841	0.44
1973	18	33,869,387	0.53
1974	15	34,283,753	0.44
1975	9	35,505,780	0.25
1976	16	39,995,546	0.40
1977	13	37,513,131	0.35
1978	17	32,004,341	0.53
1979	16	37,038,148	0.43
1980	12	41,008,884	0.29
1981	16	41,977,807	0.38
1982	17	40,481,288	0.42
1983	12	35,506,056	0.34

SUMMARY OF UNDERGROUND COAL MINING BY TITLE*
1982 and 1983

TYPE AND TITLE	TOTAL 1982	TOTAL 1983	TYPE AND TITLE	TOTAL 1982	TOTAL 1983
Tonnage (Underground Mines)	32,138,574	27,928,664	Production Workers	12,218	8,942
			Surface	1,283	931
Title I	9,623,316	8,674,821	Title I	392	362
Tipple	113,479	156,699	Tipple	16	62
Truck	9,509,837	8,518,122	Truck	376	300
Title II	22,515,258	19,253,843	Title II	891	569
Tipple	10,168,081	8,557,540	Tipple	614	362
Truck	12,347,177	10,696,303	Truck	277	207
Tons Mined By:					
Machine	10,269,518	9,255,460	Underground	10,935	8,011
Title I	5,706,056	4,949,611	Title I	2,508	1,985
Tipple	12,304	96,366	Tipple	39	83
Truck	5,693,752	4,853,245	Truck	2,469	1,902
Title II	4,563,462	4,305,849	Title II	8,427	6,026
Tipple	184,975	0	Tipple	5,118	3,377
Truck	4,378,487	4,305,849	Truck	3,309	2,649
Continuous Miner	20,729,027	16,922,468	Wages Paid Production Workers	$304,193,313	$231,339,064
Title I	3,902,257	3,724,394	Title I	61,616,010	51,209,459
Tipple	101,175	60,333	Tipple	959,137	4,243,468
Truck	3,801,082	3,664,061	Truck	60,656,873	46,965,991
Title II	16,826,770	13,198,074	Title II	242,577,303	180,129,605
Tipple	8,858,080	6,807,620	Tipple	144,641,253	109,604,719
Truck	7,968,690	6,390,454	Truck	97,936,050	70,524,886
Hand	15,003	816	Number of Mines	576	447
Title I	15,003	816	Title I	401	313
Truck	15,003	816	Tipple	8	15
			Truck	393	298
Longwall	1,125,026	1,749,920	Title II	175	134
			Tipple	46	30
Title II	1,125,026	1,749,920	Truck	129	104
Tipple	1,125,026	1,749,920			

* Title I Mines averaging underground employment of 14 or less.
Title II Mines averaging underground employment of 15 or more.

SUMMARY OF COAL MINING IN VIRGINIA

1982

	Buchanan	Dickenson	Lee	Pulaski	Russell	Scott	Tazewell	Wise	Total
Tonnage	15,241,560	6,582,548	1,701,096	8,600	1,348,182	0	2,409,934	13,189,368	40,481,288
Tipple	3,706,353	2,033,619	678,736	0	580,257	0	744,340	2,538,255	10,281,560
Strip	1,143,009	1,235,904	173,269	8,600	209,467	0	107,560	5,110,249	7,988,058
Truck	10,310,285	3,294,915	810,700	0	445,502	0	1,553,912	5,441,700	21,857,014
Auger	81,913	18,110	38,391	0	112,956	0	4,122	99,164	354,656
Tons Mined By:									
Machine	6,948,777	3,088,779	436,770	8,600	762,037	0	952,926	6,414,343	18,612,232
Tipple	196,079	0	1,200	0	0	0	0	0	197,279
Strip	1,143,009	1,235,904	173,269	8,600	209,467	0	107,560	5,110,249	7,988,058
Truck	5,527,776	1,834,765	223,910	0	439,614	0	841,244	1,204,930	10,072,239
Auger	81,913	18,110	38,391	0	112,956	0	4,122	99,164	354,656
Continuous Miner	7,155,111	3,493,769	1,263,243	0	586,066	0	1,455,813	6,775,025	20,729,027
Tipple	2,385,248	2,033,619	677,536	0	580,257	0	744,340	2,538,255	8,959,255
Truck	4,769,863	1,460,150	585,707	0	5,809	0	711,473	4,236,770	11,769,772
Hand	12,646	0	1,083	0	79	0	1,195	0	15,003
Truck	12,646	0	1,083	0	79	0	1,195	0	15,003
Longwall	1,125,026	0	0	0	0	0	0	0	1,125,026
Tipple	1,125,026	0	0	0	0	0	0	0	1,125,026
Office Workers	193	65	19	1	34	0	29	204	545
Tipple	38	21	5	0	8	0	0	31	103
Strip	24	9	4	1	10	0	5	52	105
Truck	131	34	10	0	14	0	24	118	331
Auger	0	1	0	0	2	0	0	3	6
Salaries Paid Office Workers	$2,631,133	$1,319,026	$ 299,834	$ 872	$ 642,406	0	$ 559,624	$ 4,208,459	$ 9,661,354
Tipple	896,407	744,774	85,191	0	287,328	0	0	497,322	2,511,022
Strip	151,032	167,687	57,314	872	83,370	0	167,113	844,761	1,472,149
Truck	1,583,694	404,565	157,329	0	256,654	0	392,511	2,863,264	5,658,017
Auger	0	2,000	0	0	15,054	0	0	3,112	20,166

SUMMARY OF COAL MINING IN VIRGINIA (continued)

1982

	Buchanan	Dickenson	Lee	Pulaski	Russell	Scott	Tazewell	Wise	Total
Production Workers	6,181	2,178	561	2	491	0	799	3,796	14,008
Surface	1,133	341	115	2	114	0	87	1,281	3,073
Tipple	369	55	12	0	13	0	16	165	630
Strip	353	193	66	2	67	0	35	995	1,711
Truck	376	87	27	0	17	0	36	110	653
Auger	35	6	10	0	17	0	0	11	79
Underground	5,048	1,837	446	0	377	0	712	2,515	10,935
Tipple	2,263	895	219	0	237	0	349	1,194	5,157
Truck	2,785	942	227	0	140	0	363	1,321	5,778
Wages Paid Production Workers	$141,749,727	$54,440,076	$13,146,688	$1,654	$12,127,389	0	$21,295,643	$104,727,240	$347,488,417
Tipple	63,506,901	24,317,021	6,264,133	0	6,856,472	0	9,526,462	35,129,401	145,600,390
Strip	8,626,786	5,722,481	850,185	1,654	1,425,536	0	1,141,766	23,962,712	41,731,120
Truck	68,957,078	24,263,115	5,841,364	0	3,377,973	0	10,627,415	45,525,978	158,592,923
Auger	658,962	137,459	191,006	0	467,408	0	0	109,149	1,563,984
Number of Mines	342	119	63	1	42	0	36	225	828
Tipple	20	14	2	0	4	0	3	11	54
Strip	34	27	27	1	13	0	2	108	212
Truck	279	77	26	0	22	0	30	88	522
Auger	9	1	8	0	3	0	1	18	40
Estimated Average Days Worked	135	144	84	13	118	0	142	147	134
Tipple	159	145	128	0	155	0	201	238	172
Strip	125	111	65	13	109	0	223	152	128
Truck	136	156	117	0	125	0	135	152	139
Auger	88	72	31	0	56	0	0	43	51
Tons of Coke Produced	377,000	0	0	0	0	0	0	0	377,000

Number of Injuries 1/	Number of Lost Workdays	Frequency Rate 2/	Severity Rate 3/	Number of Fatalities
716	30,266	28.0	1,183	17

1/ Fatal and nonfatal cases.

2/ Number of injuries per million man-hours of exposure.

3/ Number of lost workdays per million man-hours of exposure.

SUMMARY OF COAL MINING IN VIRGINIA
1983

	Buchanan	Dickenson	Lee	Pulaski	Russell	Scott	Tazewell	Wise	Total
Tonnage	12,130,106	6,995,587	1,891,987	0	1,449,283	0	999,685	12,039,408	35,506,056
Tipple	2,744,027	2,134,903	760,942	0	371,678	0	541,481	2,161,208	8,714,239
Strip	943,182	1,193,767	69,652	0	122,826	0	195,261	4,515,359	7,040,047
Truck	8,391,967	3,628,039	1,037,344	0	807,637	0	258,052	5,091,386	19,214,425
Auger	50,930	38,878	24,049	0	147,142	0	4,891	271,455	537,345
Tons Mined By:									
Machine	5,376,432	3,238,259	278,204	0	1,048,752	0	331,697	6,558,666	16,832,010
Tipple	96,366	0	0	0	0	0	0	0	96,366
Strip	943,182	1,193,767	69,652	0	122,826	0	195,261	4,514,517	7,039,205
Truck	4,285,954	2,005,614	184,503	0	778,784	0	131,545	1,772,694	9,159,094
Auger	50,930	38,878	24,049	0	147,142	0	4,891	271,455	537,345
Continuous Miner	5,294,364	3,466,718	1,613,533	0	399,965	0	667,988	5,479,900	16,922,468
Tipple	1,188,351	1,844,293	760,942	0	371,678	0	541,481	2,161,208	6,867,953
Truck	4,106,013	1,622,425	852,591	0	28,287	0	126,507	3,318,692	10,054,515
Hand	0	0	250	0	566	0	0	842	1,658
Strip	0	0	0	0	0	0	0	842	842
Truck	0	0	250	0	566	0	0	0	816
Longwall	1,459,310	290,610	0	0	0	0	0	0	1,749,920
Tipple	1,459,310	290,610	0	0	0	0	0	0	1,749,920
Office Workers	152	68	21	0	24	0	18	275	558
Tipple	27	20	5	0	3	0	0	28	83
Strip	20	10	1	0	7	0	5	115	158
Truck	104	36	14	0	11	0	12	130	307
Auger	1	2	1	0	3	0	1	2	10
Salaries Paid Office Workers	$2,247,169	$1,170,705	$383,886	0	$373,818	0	$184,046	$6,325,912	$10,685,536
Tipple	678,761	537,083	137,582	0	121,272	0	0	685,613	2,160,311
Strip	490,142	178,215	450	0	117,790	0	17,807	2,310,277	3,114,681
Truck	1,073,546	446,476	245,804	0	111,991	0	165,627	3,321,181	5,364,625
Auger	4,720	8,931	50	0	22,765	0	612	8,841	45,919

SUMMARY OF COAL MINING IN VIRGINIA (continued)

1983

	Buchanan	Dickenson	Lee	Pulaski	Russell	Scott	Tazewell	Wise	Total
Production Workers	4,144	1,961	549	0	360	0	296	3,104	10,414
Surface	793	358	69	0	79	0	54	1,050	2,403
Tipple	216	60	11	0	7	0	6	124	424
Strip	275	208	27	0	35	0	35	795	1,375
Truck	283	83	28	0	18	0	12	83	507
Auger	19	7	3	0	19	0	1	48	97
Underground	3,351	1,603	480	0	281	0	242	2,054	8,011
Tipple	1,197	819	225	0	108	0	159	952	3,460
Truck	2,154	784	255	0	173	0	83	1,102	4,551
Wages Paid Production Workers	$97,348,224	$55,523,468	$13,763,115	0	$8,869,287	0	$8,532,867	$83,095,213	$267,132,174
Tipple	41,906,686	25,574,220	6,818,520	0	3,648,176	0	5,211,137	30,689,448	113,848,187
Strip	5,863,088	6,332,438	217,771	0	312,997	0	1,290,264	19,910,019	33,926,577
Truck	49,308,381	23,455,007	6,615,087	0	4,572,979	0	2,001,325	31,538,098	117,490,877
Auger	270,069	161,803	111,737	0	335,135	0	30,141	957,648	1,866,533
Number of Mines	267	93	38	0	29	0	21	178	626
Tipple	20	9	1	0	2	0	3	10	45
Strip	21	17	8	0	7	0	2	82	137
Truck	216	63	24	0	17	0	15	67	402
Auger	10	4	5	0	3	0	1	19	42
Estimated Average Days Worked	137	178	116	0	141	0	130	160	148
Tipple	169	223	243	0	239	0	252	206	198
Strip	134	168	92	0	113	0	214	164	154
Truck	137	179	127	0	151	0	102	177	148
Auger	83	104	74	0	84	0	17	60	72
Tons of Coke Produced	636,000	0	0	0	0	0	0	0	636,000

Number of Injuries 1/	549	Number of Lost Workdays	12,295	Frequency Rate 2/	28.1	Severity Rate 3/	629	Number of Fatalities	12

1/ Fatal and nonfatal cases.

2/ Number of injuries per million man-hours of exposure.

3/ Number of lost workdays per million man-hours of exposure.

SUMMARY OF METAL MINING,
MINING AND QUARRYING OF NONMETALLIC MINERALS,
EXCEPT FUELS
1982

	Tonnage	Office Workers	Office Hours Worked	Salaries	Quarry and Metal Mine Employment	Plant Employment	Days Worked	Total Man-Hours	Wages	Capital Expenditures
Dimension Stone	1,130,983	28	51,138	604,732	44	101	1,421	299,197	1,910,077	1,740,804
Crushed and Broken Limestone	15,646,769	267	535,478	6,148,446	540	740	14,041	2,506,330	18,967,326	10,494,974
Crushed and Broken Granite	11,212,811	101	237,382	2,183,178	195	267	5,636	940,028	6,635,401	2,508,624
Crushed and Broken Stone, nec	7,736,763	95	215,220	2,378,811	148	233	4,251	801,498	5,514,599	1,043,111
Construction Sand and Gravel	11,125,840	113	190,251	1,735,339	253	201	14,169	770,822	5,370,407	2,073,016
Industrial Sand	165,860	4	7,241	34,986	4	11	710	22,764	105,830	645,619
Clay and Related Minerals	1,083,858	81	164,831	1,280,669	54	514	4,562	1,020,913	5,587,763	1,299,809
Mineral Mining, nec	1,835	4	8,514	73,139	1	16	251	31,832	178,427	49,275
Gypsum	399,400	3	6,240	57,450	39	0	290	91,352	553,210	0
Talc, Soapstone, & Pyrophyllite	16,478	6	11,600	141,342	7	53	282	118,516	244,113	0
Miscellaneous Nonmetallic Minerals, nec	1,519,186	8	11,985	139,356	32	21	1,706	88,409	635,890	228,362
Totals	50,039,783	710	1,439,880	14,777,448	1,317	2,157	47,319	6,691,661	45,703,053	20,083,594

NOTE: nec - Not elsewhere classified.

SUMMARY OF METAL MINING,
MINING AND QUARRYING OF NONMETALLIC MINERALS,
EXCEPT FUELS
1983

	Tonnage	Office Workers	Office Hours Worked	Salaries	Quarry and Metal Mine Employment	Plant Employment	Days Worked	Total Man-Hours	Wages	Capital Expenditures
Gold Ores	0	0	0	0	2	0	36	464	13,500	0
Dimension Stone	634,834	9	14,978	210,002	21	10	869	58,947	511,598	280,115
Crushed and Broken Limestone	15,279,814	258	529,512	5,346,899	488	622	13,905	2,393,585	18,654,056	6,712,400
Crushed and Broken Granite	15,854,826	123	289,250	2,688,156	202	302	6,349	1,179,841	9,211,462	3,389,724
Crushed and Broken Stone, nec	10,903,648	105	217,961	3,033,199	199	314	5,434	1,008,225	7,762,955	3,073,550
Construction Sand and Gravel	13,851,657	105	179,753	1,557,714	260	186	14,688	816,527	6,056,656	1,062,866
Industrial Sand	84,734	3	6,565	67,257	3	5	329	12,375	60,821	56,096
Clay and Related Minerals	1,690,656	79	228,076	1,240,719	85	503	4,817	1,188,156	7,465,320	2,051,847
Mineral Mining, nec	207	5	7,319	92,785	1	12	255	25,998	183,572	7,571
Gypsum	400,695	3	6240	68,919	41	0	293	89,491	600,841	0
Talc, Soapstone, & Pyrophyllite	1,680	3	4,480	6,372	0	4	57	2,195	14,826	0
Miscellaneous Nonmetallic Minerals, nec	1,485,161	6	12,564	184,518	26	24	1,275	79,877	694,512	270,000
TOTAL	60,187,912	699	1,496,698	14,496,540	1,328	1,982	48,307	6,855,681	51,230,100	16,904,169

NOTE: nec - Not elsewhere classified.

Name of Bed	Seam No.	Reserves As Of 1/1/51 2/	Remaining Reserves 1/1/83 3/	Remaining Reserves 1/1/84 3/	Sulphur Content
BUCHANAN COUNTY					
Cedar Grove	27- 1	3.80	0.65	0.54	*
Lower Cedar Grove	27- 2	2.27	0.82	0.82	*
Campbell Creek	27- 3	49.75	48.28	48.24	.66- .80
Clintwood	27- 4	92.78	61.37	61.16	.85-1.10
Eagle	27- 5	215.70	190.09	189.37	1.10-1.80
Blair	27- 6	61.68	27.38	26.06	.84-1.34
Dorchester	27- 7	105.33	92.85	92.36	.90-1.40
Hagy	27- 8	303.77	263.52	262.80	1.00-3.00
Splashdam	27- 9	708.50	643.73	641.82	.67- .83
Upper Banner	27-10	5.83	0.54	0.54	.52- .95
Lower Banner	27-11	286.43	279.99	279.96	.79- .90
Big Fork	27-12	9.53	9.46	9.46	.94-1.00
Kennedy	27-13	771.95	726.55	725.21	.96-1.10
Ally	27-14	42.29	41.83	41.83	.94-1.10
Raven	27-15	575.69	508.89	508.18	2.10-2.50
Jawbone	27-16	336.93	320.61	318.83	.47- .85
Tiller	27-17	77.44	65.35	64.29	.44- .67
Lower Seaboard	27-18	7.65	7.55	7.55	1.30-1.80
War Creek	27-19	2.96	2.89	2.89	*
Pocahontas #3	27-20	113.94	63.41	61.72	.40- .80
TOTAL		3,774.22	3,355.76	3,343.63	
DICKENSON COUNTY					
Kelly	51- 1	4.69	0.00	0.00	.89-1.02
Imboden	51- 2	4.38	1.26	0.73	.64-1.00
Clintwood	51- 3	79.04	65.29	64.92	.85-1.12
Eagle	51- 4	18.80	13.90	13.85	1.45-1.49
Blair	51- 5	14.39	13.04	13.00	.84-1.34
Lyons	51- 6	9.04	8.73	8.71	.70-2.90
Dorchester	51- 7	94.42	92.23	92.17	.87-1.49
Norton	51- 8	1.51	1.18	1.17	*
Hagy	51- 9	51.54	50.61	50.60	1.00-3.00
Splashdam	51-10	322.47	300.47	299.94	.76- .87
Upper Banner	51-11	325.43	283.63	281.29	.51- .95
Lower Banner	51-12	339.90	316.52	315.42	.65- .92
Kennedy	51-13	434.25	433.50	433.47	.70-1.98
Ally	51-14	8.26	8.25	8.25	.94-1.10
Raven	51-15	393.37	390.65	389.90	2.18-2.54
Jawbone	51-16	475.47	472.29	471.42	.71-2.12
Tiller	51-17	94.45	4.84	4.75	.44- .59
TOTAL		2,671.41	2,456.59	2,449.59	

Name of Bed	Seam No.	Reserves As Of 1/1/51 2/	Remaining Reserves 1/1/83 3/	Remaining Reserves 1/1/84 3/	Sulphur Content
LEE COUNTY					
High Splint	105- 1	0.84	0.00	0.00	.67-1.41
Morris	105- 2	2.77	2.25	1.98	*
Pardee	105- 3	2.31	2.06	2.02	.75-1.51
Wax	105- 4	2.46	1.93	1.57	.76- .85
Gin Creek	105- 5	1.63	1.59	1.59	*
Phillips	105- 6	13.17	9.56	9.56	.72- .91
Low Splint	105- 7	21.41	19.98	19.88	1.02-1.23
Taggart	105- 8	46.59	37.11	36.34	.34-1.01
Taggart Marker	105- 9	32.89	28.44	28.43	.61- .79
Kirk	105-10	1.76	0.86	0.85	*
Harlan	105-11	117.67	111.62	111.42	.61-3.20
Upper St. Charles	105-12	6.68	6.53	6.53	*
Lower St. Charles	105-13	33.63	32.19	32.08	2.06-2.25
Pinhook	105-14	9.13	9.13	9.13	*
Kelly	105-15	15.98	15.95	15.95	.77- .98
Stone Creek	105-16	0.63	0.63	0.63	1.92-2.08
Imboden	105-17	55.48	53.77	53.74	.70- .96
Clintwood	105-18	84.66	84.35	84.35	1.69-1.79
Blair	105-19	9.24	9.12	9.12	.85-1.34
Lyons	105-20	5.77	5.73	5.73	*
Dorchester	105-21	2.01	1.56	1.56	.79-2.90
TOTAL		466.71	434.36	432.46	
RUSSELL COUNTY					
Dorchester	167- 1	0.08	0.04	0.04	.90-1.40
Splashdam	167- 2	8.58	8.19	8.19	.67- .83
Upper Banner	167- 3	16.00	11.62	11.52	.52- .95
Lower Banner	167- 4	45.87	41.92	41.77	.79- .90
Big Fork	167- 5	4.80	2.99	2.96	.94-1.10
Kennedy	167- 6	128.09	125.10	125.00	.96-1.10
Raven	167- 7	98.84	96.19	95.85	2.10-2.50
Jawbone	167- 8	249.47	239.75	239.27	.47- .85
Tiller	167- 9	154.56	127.63	127.38	.44- .67
Burton's Ford	167-10	13.01	12.96	12.96	.99-1.43
TOTAL		719.30	666.39	664.94	

COAL RESOURCES OF VIRGINIA 1/

Name of Bed	Seam No.	Reserves As Of 1/1/51 2/	Remaining Reserves 1/1/83 3/	Remaining Reserves 1/1/84 3/	Sulphur Content
SCOTT COUNTY					
Jawbone	169- 1	0.48	0.48	0.48	.71-2.12
Cove Creek	169- 2	2.46	2.24	2.24	.85-1.80
Eagan	169- 3	7.32	7.24	7.24	.85- .94
Carter	169- 4	0.22	0.22	0.22	*
Tacus	169- 5	7.09	7.09	7.09	*
Starnes	169- 6	4.71	4.71	4.71	*
Burton's Ford	169- 7	82.29	82.27	82.27	.99-1.43
TOTAL		104.57	104.25	104.25	
TAZEWELL COUNTY					
Lower Banner	185- 1	0.34	0.32	0.32	.65- .92
Big Fork	185- 2	0.99	0.99	0.99	.94-1.10
Caldwell	185- 3	4.87	4.83	4.83	*
Kennedy	185- 4	9.24	8.78	8.78	0-1.98
Ally	185- 5	1.90	1.90	1.90	.94-1.10
Raven	185- 6	33.40	30.02	29.95	.57- .81
Jawbone	185- 7	73.74	72.32	72.32	.47- .85
Tiller	185- 8	44.73	42.11	42.11	.53- .67
Upper Seaboard	185- 9	35.52	34.60	34.57	.50- .71
Greasy Creek	185-10	12.86	12.33	12.24	*
Middle Seaboard	185-11	22.07	21.29	20.74	*
Lower Seaboard	185-12	74.38	66.27	66.27	1.10-1.70
Upper Horsepen	185-13	57.06	52.07	51.84	*
Middle Horsepen	185-14	32.86	30.66	30.66	*
"C"	185-15	18.11	18.00	18.00	*
War Creek	185-16	80.37	80.33	80.33	*
Lower Horsepen	187-17	21.40	20.75	20.74	*
Pocahontas #8	185-18	0.35	0.11	0.11	.35- .91
Pocahontas #7	185-19	7.11	7.02	7.02	*
Pocahontas #6	185-20	11.65	11.43	11.43	*
Pocahontas #5	185-21	42.20	40.17	40.15	*
Pocahontas #4	185-22	38.85	38.29	38.29	.35- .91
Pocahontas #3	185-23	84.36	83.68	83.68	.34- .68
TOTAL		708.36	678.27	677.27	

Name of Bed	Seam No.	Reserves As Of 1/1/51 2/	Remaining Reserves 1/1/83 3/	Remaining Reserves 1/1/84 3/	Sulphur Content
WISE COUNTY					
High Splint	195- 1	28.15	19.39	18.66	.67-1.28
Morris	195- 2	28.74	25.79	25.54	*
Pardee	195- 3	74.19	61.06	59.98	.78-1.60
Phillips	195- 4	11.88	10.16	10.16	.72- .91
Low Splint	195- 5	99.59	94.74	94.36	1.02-1.23
Taggart	195- 6	121.29	80.08	78.89	.50- .65
Taggart Marker	195- 7	85.79	77.96	77.71	.75- .79
Upper Standiford	195- 8	70.34	64.64	64.36	*
Pinhook	195- 9	3.87	3.25	3.25	*
Kelly	195-10	149.17	129.02	128.17	.89-1.02
Imboden	195-11	186.38	140.15	139.20	.64-1.00
Rocky Ford	195-12	0.24	0.19	0.16	.75- .83
Addington	195-13	4.36	4.28	4.28	*
Clintwood	195-14	167.39	147.95	146.27	.85-1.10
Blair	195-15	157.02	145.51	144.60	.84-1.34
Lyons	195-16	132.34	125.39	125.06	.84-1.34
Dorchester	195-17	193.97	174.59	173.56	.79-2.93
Norton	195-18	170.19	159.98	159.08	1.36-1.63
Hagy	195-19	9.08	8.94	8.94	1.00-3.00
Splashdam	195-20	11.36	8.41	8.29	.76- .87
Upper Banner	195-21	94.10	82.00	81.48	.52- .73
Lower Banner	195-22	116.78	113.24	113.24	.83- .90
Kennedy	195-23	112.85	112.39	112.39	.83- .94
Raven	195-24	130.71	129.51	129.40	2.18-2.54
Jawbone	195-25	157.40	146.89	146.45	.71-2.12
Tiller	195-26	5.29	5.10	5.10	.85-1.80
Cove Creek	195-27	0.19	0.19	0.19	.85- .94
Burton's Ford	195-28	8.42	8.34	8.34	.99-1.43
Eagan	195-29	6.32	6.32	6.32	*
Starnes	195-30	2.71	2.70	2.70	*
Tacus	195-31	5.49	5.49	5.49	*
TOTAL		2,345.60	2,093.65	2,081.62	

1/ Reserves as of 1/1/51 were taken from Coal Resources of Virginia Geological Survey Circular 171.

2/ Reserves shown in this report include coal beds from fourteen inches to more than forty-two inches in thickness.

3/ In millions of short tons.

* This seam has not been mined extensively enough to justify an analysis.

METAL MINING AND QUARRYING INJURY EXPERIENCE
1982 and 1983

	Number Injuries 1/		Days Lost		Number Fatalities		Frequency Rate 2/		Severity Rate 3/	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
Lead and Zinic Ores	0	0	0	0	0	0	0	0	0	0
Dimension Stone	0	0	0	0	0	0	0	0	0	0
Crushed and Broken Limestone	11	29	373	450	0	0	4.4	12.1	149	188
Crushed and Broken Granite	4	3	52	31	0	0	4.2	2.5	55	26
Crushed and Broken Stone, nec	2	4	71	137	0	0	2.5	4.0	89	136
Construction Sand and Gravel	1	8	6	212	0	0	1.3	9.8	8	260
Clay and Related Minerals	6	8	139	53	0	0	5.9	6.7	136	45
Gypsum	0	1	0	15	0	0	0	11.2	0	168
Talc, Soapstone, and Pyrophyllite	1	0	30	0	0	0	8.4	0	253	0
Miscellaneous Nonmetallic Minerals, nec	0	1	0	37	0	0	0	12.5	0	463
Total	25	54	671	935	0	0	3.7	7.9	100	136

1/ Includes fatalities.

2/ Number of injuries per million man-hours of exposure.

3/ Number of days lost per million man-hours of exposure.

NOTE: nec - Not elsewhere classified.

FATAL ACCIDENTS IN COAL MINES, VIRGINIA

	1982	1983
TOTAL	17	12
Age:		
20 to 30	7	3
31 to 40	2	5
41 to 50	5	1
51 to 60	3	3
Family Status:		
Married	16	10
Single	1	2
Total Years Mining Experience:		
Up to one year	-	-
One year to ten years	8	7
Ten years and over	6	5
Unknown	3	-
Experience with Present Company:		
Less than one month and not more then three months	2	-
Three months to two years	3	4
Two years to five years	4	2
Five years to fifteen years.	4	3
More than 15 years	4	3
Unknown	-	-
Time of Accident:		
Morning	6	2
Afternoon	6	1
Night	5	9
Cause:		
Machinery	4	-
Electrocution	1	-
Haulage	-	1
Explosion	1	7
Roof Fall	6	2
Heavy Equipment	-	-
Other	5	2
Occupation:		
Continuous Miner Operator	1	1
Continuous Miner Operator - Helper	1	-
Contract Hauler	1	-
Drill Operator	1	-
General Laborer	2	-
Mechanic	3	-
Miner/Driller	-	1
Motorman	1	-
Railroad Car Tagger	1	-
Repairman	-	1
Roof Bolter Operator	2	2
Scoop Operator	3	1
Section Foreman	-	2
Shuttle Car Operator	-	2
Utility Man	-	1
Ventilation Man	-	1
Shop Electrician	1	-